

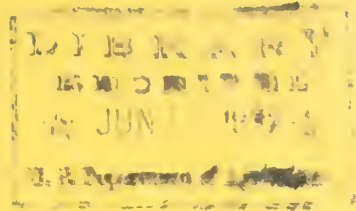
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62,37

1932



*Flower
Gardeners'
Catalogue*

J. MANNS & CO.

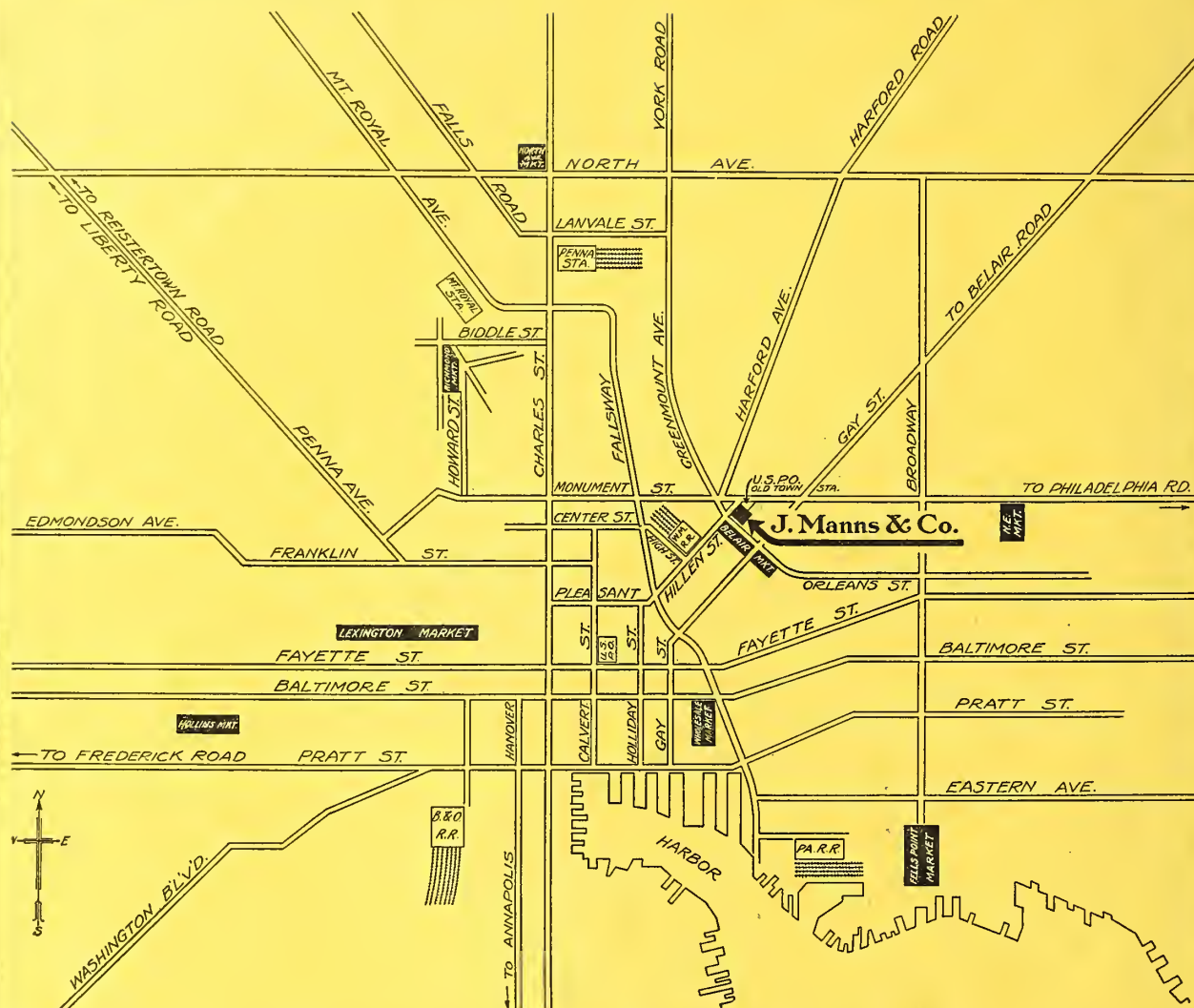
FORREST AND HILLEN STS.

At Belair Market

BALTIMORE, MD.

Phone: Wolfe 5161

Suburban Delivery



Conveniently Located to Serve You Best

This map shows how accessible our store is to the suburbs and agricultural districts surrounding Baltimore.

You will enjoy calling at our store and making your purchases of seeds and supplies personally, and we extend you a cordial invitation to visit us often during 1932.

But if more convenient, phone your orders and inquiries to Wolfe 5161, or write and you will be well pleased with our quality, our price and our service.

Prompt, Courteous, and Intelligent Attention Always

MAIL ORDERS: We pay Parcel Post or Express Charges on all vegetable and flower seeds, except Beans, Corn, Peas, and Seed Potatoes. This enables distant customers to use Manns' Superior Seeds at no additional expense.

PLEASE READ—Non-Warranty

It is very evident to anyone who gives the matter the slightest thought that it is to our best interests to send out only such stock as will grow and prove true to name and description. There are, however, so many contingencies to be encountered, entirely beyond our control, such as the weather, soil and other conditions that: J. Manns & Company give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Plants or Bulbs sent out, and will not be in any way responsible for the crop.

Domestic Parcel Post Rates Within the U. S. and Possessions		For First Pound	For Ea. Addit'l. Pound
First Zone within	50 miles	\$0.07	\$0.01
Second Zone within	50 to 150 miles	.07	.01
Third Zone within	150 to 300 miles	.08	.02
Fourth Zone within	300 to 600 miles	.08	.04
Fifth Zone within	600 to 1000 miles	.09	.06
Sixth Zone within	1000 to 1400 miles	.10	.08
Seventh Zone within	1400 to 1800 miles	.12	.10
Eighth Zone over	1800 miles	.13	.12

All Prices Quoted Subject to Change

Quality of Strains Proven at Our Trial Grounds

Established 1887

Superior Seeds

BALTIMORE, MD.

AT BELAIR MARKET

Date.....19.....

Name.....

Post Office..... R. F. D. No.....

Freight Office..... **State**.....

Please Forward Via..... (Priority, Registered, Parcel Post)

(Express, Freight or Parcel Post)

Enclosed..... For \$.....
(Check, Money Order or Stamps)

J. MANNS & CO., give no warranty express or implied, as to description, quality, productiveness or any other matter, of any Seeds, Bulbs, Plants they sell, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms, they are at once to be returned.

[illegible]

WANTED—Names and addresses of your acquaintances who should receive our Annual Catalog, Price Lists, etc. We will appreciate your kindness and so will they.—Thank you.

NAMES	POST OFFICE	STATE

[illegible]

1887

1932

*Profit by our
Experience, Quality, Leadership*



For Economy and Success, make this Store your Headquarters for Seeds, Plants, Bulbs and Garden Supplies.

Manns' Superior Seeds are distinctively different. They are selected from the most highly improved strains in existence; trial ground tested; of proven vitality and far superior to regular commercial types.

*Suburban
Delivery*

J. MANNS & CO.

*Phone
Wolfe 5161*

ESTABLISHED 1887

FORREST AND HILLEN STS. AT BELAIR MARKET
BALTIMORE, MD.

DO YOU GROW VEGETABLES? — *If so, send for our new 1932 Market Gardeners' Catalog, featuring Vegetable and Farm Seeds, Implements, Poultry Supplies, etc.*



MANNS' SUPERIOR FLOWER SEEDS FOR PARTICULAR PURPOSES

Our constant aim is to supply our customers with the very best domestic and imported strains obtainable. We spare no expense in our efforts to maintain the highest standard of quality. Our list contains those varieties which are most popular because of their beauty, usefulness, and ease of cultivation.

BORDER AND EDGING

- Ageratum
- x Alyssum, Saxatile
- x Arabis, Alpina
- x Bellis Perennis
- x Campanula, Carpatia
- Candytuft
- Centaurea
- x Cerastium
- x Dianthus, Barbatus
- x Heuchera
- x Iberis, Sempervirens
- Lobelia
- Nasturtium
- Marigold
- Pansy
- x Papaver, Nudicaule
- Petunia
- x Phlox, Subulata
- Portulaca
- x Sedum
- Verbena

FLOWERS FOR FRAGRANCE

- Ageratum
- Alyssum, Sweet
- Antirrhinum
- Candytuft
- Centaurea
- x Dianthus
- Heliotrope
- x Iris
- x Mimulus
- Mignonette
- Nasturtium
- Nicotiana
- Pansy
- Petunia
- Scabiosa
- Stock
- Stock, Virginian
- Sweet Peas
- Verbena

EVERLASTINGS

- Globe Amaranth
- Helichrysum
- Linaria
- Statice

PARTIAL SHADE

- Alyssum, Sweet
- x Anchusa Italica
- x Anemone
- Antirrhinum
- x Aster, Hardy
- x Candytuft, Iberis
- Centaurea
- China-Aster
- Clarkia
- x Foxglove or Digitalis
- x Hibiscus, Moschata
- x Lathyrus
- Lupinus
- x Lychnis, Chalcedonica
- x Mimulus
- Myosotis, Forget-me-not
- Nicotiana
- Pansy
- Petunia
- x Primula, English Cowslip
- x Rudbeckia
- Schizanthus
- x Violas

FOR MOIST PLACES

- x Heliotrope
- x Hibiscus, Moschata
- Mimulus
- x Viola
- x Wallflower

FOR POOR SOIL

- Alyssum, Sweet
- Amaranthus
- Balsam
- California Poppy
- Calliopsis
- Cornflower
- Four-O'Clock
- Marigold
- Nasturtium
- Poppy
- Portulaca

ROCK GARDENS

See Annuals and Perennials
Marked *

FOR DRY PLACES

- x Aster
- California Poppy
- x Callirhoe
- x Coreopsis
- x Dianthus
- Dimorphotheca
- x Gypsophila, Paniculata
- x Helianthus
- x Hemerocallis
- x Iris
- Mesembryanthemum
- Mimosa
- x Papaver, Nudicaule
- Phlox, Annual
- x Phlox, Hardy
- x Statice, Latifolium

TALL VARIETIES

- Amaranthus, Caudatus
- x Campanula, Pyramidalis
- x Coreopsis
- Cosmos
- x Dahlia
- x Digitalis
- x Hibiscus, Moschata
- x Hollyhock
- Marigold, African
- Nicotiana
- Ricinus

FOR WINDOW AND PORCH BOXES

- Ageratum
- Alyssum
- Begonia
- Centaurea
- Lobelia
- Nasturtium
- Oneothena
- Pansy
- Petunia
- Phlox
- Portulaca
- Salvia Splendens
- Thunbergia
- Verbena
- Vinca
- Zinnia, Lilliput

x Perennial Varieties.

ANNUAL FLOWER SEEDS

The ease of cultivation and the quickly effective results obtained from Annuals make them indispensable, as they are adaptable to an almost endless variety of arrangement.

Even in perennial borders, beds and rock gardens, annuals are very essential to bridge the span between periods of bloom of the perennials and to give desired color effects which are possible only with annuals. Many varieties can be started indoors early and transplanted giving continuous bloom from early summer until frost. Some sorts are very easily grown in late summer to produce plants for the sun-parlor or conservatory where they will blossom during the winter.

Annuals bloom more profusely than biennials or perennials because it is not necessary for them to store up food or build root systems for succeeding years; their business being to produce flowers and seeds abundantly the first year. For this reason it is advisable to cut the flowers before going to seed so that the plants will continue to bloom freely.

For Variety, Color, Fragrance, Economy Sow Annuals.

AGERATUM

*Splendid for bedding or pot culture, covered from June until frost with a mass of very attractive flowers of a tufted appearance. Very effective when contrasted with geraniums. Large-flowered White, large-flowered Blue or Mixed. Pkt., 10c; oz., 75c. Dwarf Varieties. Pkt., 10c; ¼ oz., \$1.50.

AGROSTEMMA—Rose of Heaven

COELI-ROSEA. A very showy old time favorite greatly admired; excellent cut flowers, grows 12 to 15 inches; blooms early. Color bright rose pink. Pkt., 10c; oz., 50c.

ALYSSUM

*Sweet Alyssum. Little Gem. Very popular border flower, coming into bloom six weeks after planting seed and requiring the least attention of all flowers. Very erect and dwarf, its white flowers greatly enhancing the beauty of any bed or border. Height 4 inches. Pkt., 10c; oz., 50c.



Antirrhinum

ANTIRRHINUM OR SNAPDRAGON

This border and bedding plant of long blooming season is now one of the best perennials suitable for flowering as an annual. The long showy spikes of curiously-shaped tubular flowers with spreading lobes and finely marked throats are fragrant as well as brilliantly-colored. They are very desirable for cutting as the blooms are borne well above the dark glossy leaves and keep fresh for a long time.

Giant Mixed, pkt., 10c; ¼ oz., 60c; oz., \$2.00. Tall Mixed and Semi-Dwarfed Mixed, pkt., 10c; ¼ oz., 50c; oz., \$1.50. SEPARATE COLORS: White; Appleblossom, (pink and White); Coral-Pink; Defiance (Scarlet); Fascination (deep flesh pink); Wallflower (Yellow Bronze); Luteum (Canary Yellow). Giant Type, pkt., 10c; oz., \$3.00.

ASTERS

Very popular because of their beauty and ease of culture. The varieties listed represent the finest Asters of the early, midseason and late types and will give a profusion of bloom from July to late October. Asters require good rich soil and during the growing period should be well supplied with water.

CALIFORNIA SUNSHINE. Flowers measure from 4 to 6 inches in diameter are half double and exhibit all the grace and beauty of the single Aster. The golden yellow ground tone of the quilled petals contrasts wonderfully with the outer petals. Forms a loosely curled circle which makes the flowers pleasing to the eye, fine for cutting. Mixed, pkt., 10c; ¼ oz., 75c.

QUEEN OF THE MARKET. Branching habit, 1 foot high, large flowers borne on long stems, blooming in July. Mixed colors, pkt., 10c; ¼ oz., 25c; oz., 75c.

GIANT COMET. Very distinctive, the outer petals being broad, flat and reflexed, while the center of the flower has a feathery appearance. Follows Queen of the Market in season and grows 12 to 24 inches high. Deep scarlet, dark blue, light blue, delicate yellow, snow white and rose. Pkt., 10c; ¼ oz., 35c; oz., \$1.25. Mixed, ¼ oz., 20c; oz., 65c.

CREGO. Flowers of immense size, 4 to 5 inches in diameter borne on very long stems. Plants are of strong branching growth, 2 to 2½ feet high. Separate colors, pkt., 10c; ¼ oz., 40c. Mixed, pkt., 10c; ¼ oz., 35c.

LATE BRANCHING. A handsome and very distinct variety resembling Japanese Chrysanthemums. The plants grow 1½ feet in height and width and the large full petaled blossoms are borne on long stems or branches. Comes into flower ten days later than other asters. Separate colors, pkt., 10c; ¼ oz., 35c. Mixture, pkt., 10c; ¼ oz., 30c.

AMERICAN BEAUTY, Giants of California. Mixed, pkt., 10c; ¼ oz., 50c.



Giant Comet Aster



Arctotis



Didiscus



Dianthus

AMARANTHUS

Very useful in borders of tall plants, among shrubs, or in centers of large beds. One type has large feathery plumes or sprays of rich crimson coloring while the other is grown exclusively for the brilliant-colored leaves.

CAUDATUS. (Love Lies Bleeding.) Plants of erect growth three to four feet high producing numerous feather sprays of rich crimson color. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

MOLTEN FIRE. Very ornamental and beautiful; 4 feet tall; easily grown, leaves dark bronze, top of plant and centers of lower leaves, brilliant Poinsettia red. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00.

SALICIFOLIUS. (Willow-Leaved or Fountain Plant.) Grows two to three feet high, with long hanging flower heads and foliage of a deep purple coloring. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SPLENDENS. (Rainbow Plant.) Beautiful variegated foliage with large crimson flower heads. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

TRICOLOR. (Joseph's Coat.) Similar to Splendens, having a single erect stalk of brilliantly colored foliage. Pkt., 10c; oz., 35c.

ARCTOTIS (Blue-Eyed African Daisy)

GRANDIS. White petals tinged lilac with centers steel blue. A splendid and easily grown flower, 2 feet tall. Good for cutting. Pkt., 10c; oz., 75c.



Centaurea Cyanus or Bachelors' Button

ANCHUSA (Summer Forget-Me-Not)

CAPENSIS, ATROCOERULEA. A fine blue flower through late spring, summer, and fall. Easily grown. Height 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

BLUE BIRD. Vivid indigo blue, plants compact and of even growth. Stems about 18 inches. Pkt., 10c; $\frac{1}{4}$ oz., 75c.

BALSAM OR LADY SLIPPER

An easy growing annual of quick growth, producing numerous flowers resembling tiny roses. Splendid double mixed, pkt., 10c; oz., 75c.

BARTONIA (Golden Yellow)

AUREA. Large, showy flowers, $2\frac{1}{2}$ inches in diameter; deep orange yellow. Blooms early, height 18 inches. Pkt., 10c; oz., 50c.

CALENDULA—POT MARIGOLD

Effective in beds or potted; showy, free-flowering, hardy annuals. Extra Double Orange Giant. Pkt., 10c; oz., 40c. Finest mixed, pkt., 10c; oz., 25c.

THE BALL. Pkt., 10c. Glowing Yellow, oz., 75c.

BALL'S, IMPROVED GOLDEN ORANGE. Long stemmed extra double, excellent for forcing. Pkt., 10c; oz., \$1.00.

CAMPANULA—CANTERBURY BELLS

An old-fashioned favorite, stately, showy, and easily grown, hardy biennial. Single and Double Mixed, pkt., 10c; oz., 50c.

CANDYTUFT

This hardy annual is universally known and its clusters of small flowers are very beautiful and useful for cutting and borders.

EMPRESS. Large spikes of the purest white, erect growth. Pkt., 10c; oz., 40c.

FINEST HYBRID MIXTURE OF ALL COLORS. Pkt., 10c; oz., 40c.

CARNATION (Margaret)

Easily grown as an Annual producing large double blooms 4 or 5 months after sowing seed. Very fragrant. (See Perennials.)

CELOSIA OR COCKSCOMB

PLUMOSA. Feathered varieties mixed. Pkt., 10c; oz., 40c. **EMPRESS.** Dark-leaved, bright crimson. Pkt., 10c; $\frac{1}{4}$ oz., \$2.00.

GLASGOW PRIZE. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

CHILDSII. (Chinese Woolflower.) Pkt., 10c; oz., \$1.50.

CENTAUREA

CENTAUREA CYANUS OR BACHELOR'S BUTTON OR CORN FLOWER. Charming old-fashioned flowers, requiring little or no care and flowering within eight weeks from planting of seed. Free and uninterrupted in its flowering habit, reseeding itself year after year. Useful as a cut flower, as well as a garden decoration. Double blue or double mixed. Pkt., 10c; oz., 50c.

CENTAUREA GYMNOCARPA OR DUSTY MILLER. One foot, foliage finely cut of silvery gray color, used for bedding. Pkt., 10c; oz., 40c.

CENTAUREA IMPERIALIS OR SWEET SULTAN. Beautiful, sweet scented, artistic shaped flowers borne on long stems, when cut will last for several days. Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



Dimorphotheca

CHRYSANTHEMUM

The annual Chrysanthemums are free-blooming, easily grown plants, having large flowers in a variety of brilliant colors, fine for cutting.

Mixed. Finest double hybrids. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 45c.

CLARKIA

Very pretty, profuse flowering annuals, much used for edging. They grow from nine to eighteen inches high, producing mostly red or white flowers. Useful for hanging baskets. Pkt., 10c; oz., 50c.

COREOPSIS-CALLIOPSIS

Very handsome and showy plants with numerous flowers of brilliant colors, excellent for bouquets. Thrive well in any soil.

TINCTORIA-MIXED. Bi-color Annual. Pkt., 10c; oz., 35c.

LANCEOLATA (Grandiflora). Semi-double perennial. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00.

COSMOS

One of the most satisfactory hardy annuals, flowering in late summer. Fine for cutting and easily grown. Can be sown anywhere and transplanted. Grows 4 to 6 feet high. Mammoth large flowered. Mixed and early flowering mixed, pkt., 10c; oz., 35c. Extra Early Double Crested, pkt., 10c; $\frac{1}{4}$ oz., \$1.25.

DATURA

Large branching plants producing very large handsome, double or single, trumpet-shaped blossoms of exquisite fragrance. Excellent for late summer and autumn flowering. Mixed colors. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

DIANTHUS OR PINKS

These very beautiful and popular biennials flower freely the first year from seed, and in most locations they are quite hardy and produce larger flowers the second year.

*HEDDEFIGII. Hybrids, very large double flowers. Pkt., 10c; oz., 50c.

FLORISTS PERPETUAL. Large clusters, fragrant, very useful for cut flowers. Double mixed. Pkt., 10c; $\frac{1}{4}$ oz., \$1.50.

DIDISCUS—Blue Lace Flower

COERULEUS. Lavender, blue, lace-like flower; heads blooming profusely from June to September; $1\frac{1}{2}$ feet tall. Pkt., 10c; oz., \$1.00.

DIMORPHOTHECA

*AURANTIACA (African Daisy). Very showy flowers for bed or border, bushy plants with orange-gold daisy-like blooms on long stems. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

EUPHORBIA

HETERPHYLLA (Mexican Fire Plant). Grown by many as "Summer Poinsettia" as it produces a crown of brilliant red leaves. Rapid grower; 30 to 36 inches tall. Pkt., 10c; oz., 50c.

GILIA

Exceedingly graceful and attractive, with tiny ball-shaped flowers, borne profusely on plants 15 to 24 inches tall; especially valuable for bees. Charming in flower border; a good cut flower. Pkt., 10c; oz., 25c.

GLOBE AMARANTH-GOMPHRENA

Similar in type to Bachelor's Button but having flowers of perfect globe shape. Mixed colors. Pkt., 10c; oz., 25c.



Larkspur



Gilia

GODETIA (Satin Flower)

TALL DOUBLE GRANDIFLORA MIXED. Resembles the Azalea both in form and color. Plants grow 1 foot high, and bloom in great profusion for nearly six weeks. Excellent for cutting and easily grown. Pkt., 10c; oz., 50c.

HELICHRYSUM-EVERLASTING FLOWER

Also called Immortelles and Strawflowers. The Helichrysum is the most beautiful of all the everlastings. The plants grow from two to three feet high and are literally covered with fine, large, double flowers in a variety of brilliant colors. The blooms should be cut as soon as they are open, tied in small bunches and dried slowly in a dark, cool place, hanging the flowers downward to keep the stems straight. Monstrosum. Double, first quality, mixed. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.



Helichrysums

Varieties marked * suitable for Rock Gardens.

GYPSOPHILA (Baby's Breath)

*Single—(A). Graceful plants with light fairy-like growth. A quick growing annual with myriads of small open bell-shaped flowers. These fine mist-like flowers are excellent for their delicate effect in bouquets. Pkt., 10c; oz., 25c.

HOLLYHOCK

May be grown as an Annual. See Perennials.

IMPATIENS

HOLSTII. Free blooming plants, 1 to 2 feet tall. Somewhat resembling Balsam or Lady Slipper. Flowers various shades. Pkt., 10c; ¼ oz., \$1.00.

KOCHIA—SUMMER CYPRESS

Quick growing hedge plant about two and one-half feet high. Very symmetrical and attractive, the bushes taking on a distinctive red tinge late in the summer; for this reason often called Mexican Fire Bush. Pkt., 10c; oz., 25c.

LANTANA (Half Hardy)

One of the most desirable greenhouse or bedding plants, constantly in bloom, somewhat resembling Verbenas; 2 to 3 feet. Hybrid Mixed and Dwarf Hybrid Mixed. Pkt., 10c; oz., 50c.

LARKSPUR

One of the best known of garden flowers and if planted in April will produce flowering plants by the first of July and continue to bloom until frost.

TALL DOUBLE BRANCHING. Delphinium flowered. Pkt., 10c; oz., 75c.

IMPERIAL DOUBLE MIXED. Pkt., 10c; oz., 50c.

GIANT HYACINTH FLOWERED. Pkt., 10c; oz., \$1.00.

For Perennial Larkspur see Delphinium.

LAVATERA—ANNUAL MALLOW

TRIMESTRIS MIXED. A free flowering variety, grows 2 feet tall bearing from July until fall a profusion of cup-shaped flowers of various shades. Pkt., 10c; oz., 25c.

LUPINUS

Free-flowering, easily grown annuals with long graceful spikes of richly colored pea-shaped flowers. Prefers a little shade, acid soil and cool weather.

DWARF ANNUAL MIXED. All colors. Pkt., 10c; oz., 50c.

HARTWEGI. Separate colors: Blue, White, Pink and Mixed. 3 feet high. Pkt., 10c; oz., 25c.

MARIGOLD

The African and French Marigolds are old favorite free-flowering annuals of easy culture, extremely effective and well adapted for large beds. Thrive best in a light soil fully exposed to the sun. The flowers of the French type are smaller than the African but are marked and spotted with varied shades of red and orange. The African are very large, double and in solid colors.

AFRICAN. Double, extra mixed, first quality. Pkt., 10c; ¼ oz., 20c.

FRENCH. Dwarf double mixed. Pkt., 10c; oz., 50c.



Lobelia



Lupinus



Nigella

LINARIA

***CYMBALARIA.** (Kenilworth Ivy.) Lavender and purple, charming perennial trailing plant, suitable for baskets, rock work, etc. Pkt., 10c; ¼ oz., \$1.00.

LOBELIA

***ERINUS COMPACTA.** This charming variety forms compact bushes about 6 inches high and are covered with deep blue blooms throughout the season. Highly desirable for edging and garden decoration as well as for pot culture. Pkt., 10c; oz., \$1.00.

PENDULA HAMBURIA. Trailing sort used for hanging baskets, vases and window boxes. Pkt., 10c; ¼ oz., 50c.

MARVEL OF PERU—FOUR O'CLOCK

Large showy fragrant flowers, blooming the entire season. Succeed well in any ordinary garden soil in a sunny location. Mixed. Pkt., 10c; oz., 20c.

MESEMBRYANTHEMUM

***CRYSTALLINUM OR ICE PLANT.** Dwarf trailing annual plants. Flowers white prized for its distinctive icy foliage. Pkt., 10c; oz., 50c.

MIGNONETTE

Well known fragrant bedding or potting plant. Sowings made in April and again in July will result in a succession of bloom from early summer until frost.

GOLIATH. Large flowering. Pkt., 10c; ¼ oz., 75c.

MACHET GIANT. Large spikes, very fragrant. Pkt., 10c; oz., 75c.

NASTURTIUM

GOLDEN GLEAM. New double sweet scented dwarf variety sure to become very popular. Pkt., 25c; oz., \$1.00.

TOM THUMB. The very popular dwarf or bedding variety, producing very showy large flowers. Our mixture contains all the newest hybrids as well as the distinct old varieties, all in proportion to assure a marvelous display of colors, ranging from cream white to the very darkest red. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

SPENCER. Choice mixed, very brilliant, in all shades of yellow, red and purple. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

LACINIATUM. Dark leaved, very showy, mixed. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

NICOTIANA

AFFINIS. Gives a continuous display of flowers through the summer and autumn; plant 2 to 3 feet high. The blooms are white, sweet scented and measure 3 inches in diameter. Pkt., 10c; ¼ oz., 20c.

NIGELLA OR LOVE-IN-A-MIST

Free-flowering plant, 1 foot high, producing curious flowers surrounded by the finely cut foliage. Easily grown; useful for cutting.

DOUBLE BLUE. Pkt., 10c; oz., 50c.

ORNAMENTAL GRASS

COIX LACRYMA. (Job's Tears.) Pkt., 10c; oz., 25c.

PANSIES

These very popular and beautiful flowers may be sown in April or May for summer flowering or in August for early spring blooming. They thrive best in an open exposure, with protection during the winter.

BUGNOT'S GIANT. Flowers of enormous size, nearly circular in form and in a great variety of the most rare and handsome colors. Pkt., 10c; ¼ oz., 75c; oz., \$2.50.

BRILLIANT MIXTURE, TRIMARDEAU GIANTS. Pkt., 10c; ¼ oz., 50c.

MAMMOTH EXHIBITION MIXTURE. True round and solid pansy form of giant size, each color an attraction. Pkt., 10c; ¼ oz., \$1.50; oz., \$5.00.

MANN'S TRIUMPH OF THE GIANTS. (Fruited.) Finest for commercial or private use. Blooms enormous, most striking in brilliancy and beauty of color. Pkt., 25c; oz., \$5.00.

PETUNIAS

HYBRIDA GRANDIFLORA. Giants of California mixed. Pkt., 25c; 1/16 oz., \$5.00.

HOWARD'S STAR. Finest striped colors mixed. Pkt., 10c; ¼ oz., 25c.

HYBRID FIMBRIATA. Giant flowering fringed varieties, extra selected. Pkt., 25c; ¼ oz., \$9.00.

GIANT DOUBLE FRINGED. (Fimbriata flora pleno.) Extra double choice mixed. Pkt., 50c; 1/32 oz., \$9.00.

DWARF BEDDING VARIETIES

HYBRIDA NANA COMPACTA MULTIFLORA. Dwarf extra fine free flowering sorts.

ROSY MORN. Pink white throat.

ROSE OF HEAVEN. Deep brilliant rose.

NORMA. Blue with white star.

SNOWBALL. Pure white.

Separate colors or mixture. Pkt., 10c; ¼ oz., 50c.

BALCONY PETUNIAS

HYBRIDA PENDULA. For porch and window boxes, also excellent for bedding in solid masses of one or more colors. Large blooms produced in abundance. Blue, Purple, Crimson, Pink, White and Mixed. Pkt., 10c; 1/16 oz., 75c.

PHLOX

Phlox makes a magnificent show in beds and masses where their brilliant and varied colors produce a gorgeous effect. Very easily raised and afford a bright display of flowers, all through the summer.

***DRUMMONDII.** Choice mixture, first quality. Pkt., 10c; ¼ oz., \$1.50.

***STAR PHLOX.** (Cuspidata.) With star-shaped flowers, dwarf growth. Pkt., 10c; ¼ oz., 50c.

***FIMBRIATA.** Fringed flowers of beautiful form and color. Pkt., 10c; ¼ oz., 50c.

LARGE FLOWERING DWARF VARIETIES

***DEFIANCE.** Deep scarlet, very compact, free-flowering. Pkt., 10c; ¼ oz., \$1.50.

***DWARF MIXED.** Selected colors, compact habit of growth, very effective in beds or borders. Pkt., 10c; ¼ oz., 70c.

POPPIES

AMERICAN LEGION. Shirley type; large brilliant orange-scarlet with yellow anthers. Pkt., 10c; oz., 25c.

TULIP POPPY. One of the most brilliant annuals, the flowers are 3 inches in diameter and of a brilliant scarlet color, greatly resembling tulips. Pkt., 10c; oz., 50c.

THE SHIRLEY. Special strain mixed; fine for bedding or cutting; single annual. Pkt., 10c; oz., 25c.

CARNATION FLOWERED. Splendid double fringed flower annual; mixed. Pkt., 10c; oz., 25c.

PEONY FLOWERED. Dwarf annual, very useful for bedding. Pkt., 10c; oz., 25c.

ESCHSCHOLTZIA. (California Poppy.) Spreading plants 1 foot high, suitable for beds and borders, blooming from June until frost. Hybrid mixed. Pkt., 10c; oz., 75c.

PORTULACA—Mexican Rose

Very showy annual, easily grown, and very effective when massed in beds or edgings. A profusion of brilliantly colored flowers are produced throughout the summer. They thrive best in rather rich soil in a sunny situation.

***LARGE-FLOWERING EXTRA DOUBLE MIXED.** Pkt., 10c; ¼ oz., 75c.

***LARGE-FLOWERING SINGLE MIXED.** All colors. Pkt., 10c; ¼ oz., 20c.

RICINUS—CASTOR OIL BEAN

Ornamental plants of strong, stately growth, the foliage having the appearance of a tropical plant, very effective when planted in masses or as centers of Canna or Dahlia beds.

ZANZIBAR. Extra mixed. Oz., 25c.

SALPIGLOSSIS

Petunia-like flower borne on bushy stem, about 24 inches tall, various shades, which flower profusely during the summer. Mixed. Pkt., 10c; oz., 75c.

SALVIA SPLENDENS OR SCARLET SAGE

Very popular bedding plant, extensively used for lawn and conservatory decoration, bearing long spikes of brilliant flowers from July to frost.

SPLENDENS. Standard type. Pkt., 10c; oz., \$1.50.

BONFIRE. Very dense flowering 2½ foot plants, excellent for beds or massing for color effect. Pkt., 10c; ¼ oz., 50c.

FIREBRAND. The most brilliant of all types. If sown in February produces flowers from June until frost. Its dwarf compact growth makes it especially suitable for edging lawns or borders. Pkt., 25c; ¼ oz., \$1.50.

SANVITALIA

***PROCUMBENS FLORE PLENO.** Useful border and edging plant of spreading nature, 8 inches tall, continuously producing an abundance of deep golden yellow double blooms resembling small zinnias. Pkt., 10c; ¼ oz., 75c.

SCABIOSA OR MOURNING BRIDE

Fine free-flowering plants for mixed borders and highly esteemed for cut flowers. The blooms are borne on long, erect stems in globular heads in colors ranging from white to dark maroon. Height 2 to 2½ feet. Double mixed. Pkt., 10c; oz., 50c.

ISAAC HOUSE HYBRIDS. Pkt., 10c; oz., \$1.50.

SNAPDRAGON. See *Antirrhinum*, page 3.



Stocks



Schizanthus



Salpiglossis



SCHIZANTHUS

***MONARCH.** A plant noted for its wonderful variety of coloring and peculiarly shaped flowers, fine for cutting, graceful fern-like foliage, height about 18 inches. Pkt., 10c; oz., \$1.00.

SENSITIVE PLANT—MIMOSA

Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. Pkt., 10c; ¼ oz., 15c.

STEVIA

SERRATA. Grown out-doors or as a home plant for its dainty, fragrant, tiny white, star shaped flowers produced profusely. Excellent cut flower for combining with other varieties. Pkt., 10c; ¼ oz., 50c.

STOCKS-10-WEEKS

One of the most popular annuals, either for potting or bedding. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

DWARF GERMAN DOUBLE MIXED. Pkt., 10c; ¼ oz., 80c.
MAMMOTH BEAUTY OF NICE. Choice mixture. Pkt., 10c; ¼ oz., \$1.00.

EARLY GIANT IMPERIAL. (Bismarck.) Mixed. Pkt., 10c; ¼ oz., \$1.25.

EMPEROR OR PERPETUAL. These fine stocks will live outdoors for several years if protected with a fairly thick layer of straw, which must be lifted early in the spring before it gets warm. If sown any time before July will bloom the following spring. Pkt., 10c; ¼ oz., 50c.

***VIRGINIA.** Very early bedding variety. Six inch plants bearing a profusion of small flowers continuously during cool weather. Red or mixed. Pkt., 10c; oz., 30c.

SWEET PEAS

CALIFORNIA GROWN

SUCCESSFUL EVERYWHERE

One ounce for 50 feet of row.

THE SPENCERS are of exceptionally large size, the petals waved and frilled and the general effect remarkably graceful and effective. The plants are of vigorous growth and remain in bloom for a longer time than the *Grandiflora* sorts.

THE GRANDIFLORA type, owing to its vigor of growth, its freedom of bloom and extremely wide range of colors is well suited for most conditions and locations.

CULTURE.—Grow named varieties of the colors you like best; know them by name in your garden and you will derive much more pleasure from them. Early in the spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it and plant the seed in the bottom, covering at first only one inch deep. When the plants are two inches high, cultivate; and as they grow, gradually fill in the trench. When the plants are about five inches high they should be supported by poultry netting, strings or brush. Water should be applied thoroughly once or twice a week early in the morning or in the evening. The blooms should be picked before they form pods or the plants will soon stop flowering. The following have been selected from hundreds of varieties, as being those of the highest quality in their respective classes.

SPENCER VARIETIES

ASTA OHN. Pinkish-lavender.

AUSTIN FREDERICK IMPROVED. Large pure lavender.

BLANCHE FERRY SPENCER. Bright rose, standard wings, white flushed pink.

DOREEN. Large carmine.

ELFRIDA PEARSON. Giant blush pink.

GLORIOSA. Deep orange scarlet.

HAWLMARK CERISE. Bright salmon cerise.

HEBE. Giant rose pink.

KING EDWARD SPENCER. Pure red.

KING WHITE. Giant white.

MAJESTIC CREAM. Large deep cream.

MARGARET ATLEE. Rosy salmon buff.

MARY PICKFORD. Cream pink suffused with salmon.

MRS. TOM JONES. Deep amethyst-blue; very fine form, the best of the deep blues.

PICTURE. Cream pink suffused with apricot.

ROYAL PURPLE. Rich purple.

TANGERINE IMPROVED. Salmon orange.

WARRIOR. Giant maroon.

ABOVE VARIETIES—Packet, 10c; ounce, 25c; ¼ pound, 75c; pound, \$2.50.

EARLY FLOWERING SPENCERS

Florists' varieties for early forcing—can also be grown successfully outdoors, coming into bloom a month earlier than original Spencers.

EARLY BLUE BOY. Clear blue.

EARLY COLUMBIA. Best pink and white bi-color.

EARLY HARMONY. Clear lavender.

EARLY SNOWFLAKE. Pure white.

EARLY VULCAN. The most vivid scarlet in Sweet Peas and does not burn.

ZVOLANEK'S ROSE. Bright rose pink.

PRICES—Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

SWEET PEA MIXTURES

Our Sweet Pea Mixtures are combined of carefully considered proportions of varieties which have proven themselves to be the very choicest of their respective types and colors. These mixtures cannot be equaled in their beauty and flowering qualities.

MANNS' SUPERB SPENCER MIXTURE. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

MANNS' GRANDIFLORA SUPERIOR MIXTURE. Pkt., 10c; ¼ lb., 25c; lb., 75c.

Varieties marked * suitable for Rock Gardens.

SUMMER POINSETTIA

See *Amaranthus Molten Fire* also *Euphorbia, Heterophylla*.

TORENIA (Wish-bone Flower)

***FOURNIERI.** Violet and lavender colored flowers with deep yellow throats somewhat resembling elongated snapdragons. Plants grow a foot tall and bloom all summer until frost. Pkt., 10c; ¼ oz., \$1.00.

URSINIA

ANETHOIDES. Rich orange colored daisy like flowers with centers varying from red to purple, spangled with jewel-like dots. Very free flowering from June until frost. Plants 2 feet, tall bushy with mass of blooms held well above foliage. Excellent for cutting or garden decoration. Pkt., 10c; ¼ oz., \$1.00.

VENIDIUM

FASTUOSUM. Very showy plant 2 to 3 feet tall, producing 3 inch diameter brilliant orange flowers with dark centers. The soft gray woolly foliage is very attractive. Pkt., 10c; 1/16 oz., \$1.00.

VERBENA

One of the finest bedding plants and also suitable for borders, with its heads of brilliantly colored flowers, producing one mass of bloom throughout the summer. Seeds may be planted as soon as the ground can be worked or earlier indoors and transplanted to the beds in April or May. They succeed in almost any good garden soil.

HYBRID MIXED. Extra large flowered, brilliant colors and vigorous. Pkt., 10c; ¼ oz., 25c.

***HYBRID COMPACTA MIXED.** Very compact and erect in its habit of growth; excellent border variety. Pkt., 10c; ¼ oz., 50c.

Named varieties deep scarlet, scarlet with white eye, salmon, pink, or white. Pkt., 10c; ¼ oz., 75c.

VINCA (Periwinkle)

Very attractive bushy plants with luxuriant glossy green foliage, producing in abundance handsome flowers that bloom freely all summer. Excellent for borders, summer bedding and window boxes, one foot tall. Pkt., 10c; oz., \$1.00.

ZINNIAS—DOUBLE

We have given particular attention to these annuals, developing them into perfection unsurpassed.

COLOSSAL GIANT DOUBLE MIXED. Pkt., 10c; oz., 50c.

DAHLIA FLOWERED IN SEPARATE COLORS

CRIMSON MONARCH. Bright crimson.

DREAM. Deep lavender purple.

GOLDEN STATE. Rich orange yellow.

ILLUMINATION. Deep soft pink.

METEOR. Rich glowing dark red.

POLAR BEAR. Pure white. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

DAHLIA FLOWERED MIXED. Pkt., 10c; oz., \$1.25.

DOUBLE LILLIPUT

Dainty profuse blooming type, 12 to 15 inches tall; flowers 1 inch in diameter, very popular. Orange, Salmon Rose, Lilac, Scarlet, Mixed. Pkt., 10c; oz., 50c.



Dahlia Flowered Zinnia

VINES

BALLOON VINE. (*Cardiospermum*.) Very graceful, rapid grower, producing inconspicuous flowers, foliage light green. Pkt., 5c; oz., 20c.

BALSAM PEAR. (*Momordica Charantia*.) Fine for trellises or low fences. Rapid growing vines with lobed light green leaves and beautiful fruits of a rich golden yellow color, which when ripe, open up, disclosing the seeds enclosed in a carmine covering. Pkt., 10c; ¼ oz., 25c.

CARDINAL CLIMBER. (*Ipomoea Cardinalis*.) An easily grown climber developing to perfection in sandy loam soil. The brilliant scarlet flowers are borne profusely. The leaves resemble those of a fine Japanese Mahle. Pkt., 10c; ¼ oz., 35c.

CANARY BIRD FLOWER. (*Nasturtium peregrinum*.) A most beautiful climber of rapid growth with handsome fringed, rich yellow flowers and fine delicate foliage. Pkt., 5c; ¼ oz., 15c.

CLIMBING FOXGLOVE. (*Lophospermum Scandens*.) Start the seed indoors during March, cover thinly with fine soil. A graceful annual climber from Mexico. The beautiful flowers are of large size and resemble Foxgloves in shape. They are of a rich purple color. The foliage is of a velvety texture. Blooms continuously from July until frost. Under favorable conditions the vines grow 10 feet tall. Pkt., 10c; ½ oz., 50c.

COBAEA SCANDENS. Of rapid growth, with fine foliage and large bell-shaped flowers of a beautiful violet blue color. Pkt., 10c; ¼ oz., 25c.

WILD CUCUMBER VINE. (*Echinocystis lobata*.) A quick-growing and attractive climber, will grow 20 feet in six weeks, the large foliage affording plenty of shade. Covered during the summer and fall with sprays of small white flowers. Pkt., 10c; oz., 20c.

CYPRESS VINE. (*Ipomoea quamoclit*.) Beautiful and very popular, slender vine, with fern-like foliage and a mass of small star-shaped flowers. Mixed colors. Pkt., 10c; ¼ oz., 15c.

GOURDS. A large and interesting class producing a great variety of curious fruits, many of which are peculiarly marked. Pkt., 10c; oz., 25c.

KUDZU VINE. (*Pueraria thurbergiana*.) One of the most rapid growing of all climbers, providing a dense screen of large rich green leaves. Pkt., 10c; ¼ oz., 25c; oz., 75c.

HYACINTH BEAN. (*Dolichos*.) Of extra rapid growth, introduced from Japan and very much superior to the old-fashioned flowering bean. Darkness, purple flower; daylight, white flowers; or mixed. Pkt., 5c; oz., 10c.

JAPANESE HOP VINE. (*Humulus Japonicus*.) Where an attractive climber is desired that will stand rough usage there is nothing better. Pkt., 5c; ¼ oz., 20c.

MOON FLOWER. (*Ipomoea mexicana*.) Very pretty, rapid growing vine, with handsome trumpet-shaped flowers. Pkt., 5c; ¼ oz., 20c.

MORNING GLORY. (*Convolvulus*.) This splendid and very popular climber needs no introduction. Our Giant Japanese Imperial Mixture is unsurpassed. Pkt., 5c; oz., 15c.

CLIMBING NASTURTIUM. Flower and foliage similar to dwarf Nasturtiums; the growth, however, being much more vigorous. 5 to 7 feet. They may be used for porches or urns or left to run freely over the ground. Choicest Mixture, oz., 10c; ¼ lb., 30c; lb., 75c.

PASSION FLOWER. (*Passiflora*.) A most interesting and well known climber, bearing singularly beautiful flowers. Pkt., 10c; ¼ oz., \$1.00.

SMILAX. (*Medeola*.) This popular Boston Smilax is a most desirable window vine, on account of its charming, glossy green, graceful foliage. Perennial, splendid for greenhouse or conservatory. Pkt., 5c; ¼ oz., 25c.

THUNBERGIA. (*Black-eyed Susan*.) Free-flowering and of rapid growth. May be trained on a slender trellis or allowed to run freely over the ground to cover bare spaces. Pkt., 10c; ¼ oz., 35c.

SCARLET RUNNER. Of very rapid growth, producing clusters of showy bright scarlet pea-shaped blossoms, followed by edible beans of very fine quality. Pkt., 5c; lb., 50c.

CINNAMON VINE. Hardy climber, small white flowers. Strong tubers, 15c each.

MADEIRA VINE. Rapid growing climber. 15c each. \$1.50 per doz.

CLEMATIS PANICULATA. (White.) One of the most beautifully hardy climbers; of strong rapid growth, producing a profusion of deliciously fragrant flowers. 50c each.

JACK MANIL. A perennial climber with very delightful purple flowers. 75c each.

PERENNIAL FLOWER SEEDS



Anemone

ACHILLEA—Ptarmica

THE PEARL. Small double white flower in great profusion. 2 feet tall. Blooms freely during July and August. An excellent perennial for cutting, and very fine for the foreground of shrubs and for borders. Pkt., 10c; 1/16 oz., 60c.

ACONITUM (Monkshood or Helmet Flower)

FISCHERI. A dwarf variety growing 18 inches high, with large pale blue flowers in September and October. Pkt., 10c; ¼ oz., \$1.50.

ALYSSUM

***SAXATILE—Compactum.** An excellent border plant 6 to 9 inches tall covered with bright sulphur-yellow flowers during early spring. Pkt., 10c; ¼ oz., 40c; oz., \$1.25.

ANCHUSA ITALICA (Alkanet)

DROPMORE. One of the finest blue flowered plants growing 4 feet tall. Magnificent spikes from June until frost. An excellent plant for the background to hide walls or fences. Pkt., 10c; oz., 75c.

ANEMONE

***CORONARIA ST. BRIGID.** Blooms early in the spring, grows about 10 inches tall, and has a variety of colors. Pkt. 10c; ¼ oz., \$1.25.

***SYLVESTRIS.** A scented white flower with cup-shaped blossoms. Splendid for bouquets. From April to July, height 18 inches. Pkt., 10c; ¼ oz., \$1.00.

AQUILEGIA OR COLUMBINE

As a cut flower the long spurred Aquilegias are the daintiest of our outdoor grown flowers. Very hardy, blooming profusely early in the season and remaining in bloom for a considerable period. **LONG SPURRED GIANT HYBRIDS.** Pkt., 25c; ¼ oz., \$2.00.

MRS. SCOTT ELLIOTT HYBRIDS. The world's finest strain, consisting of the most wonderful colors, with very long spurred flowers. Pkt., 10c; ¼ oz., \$1.00.

***CAERULEA—The Rocky Mountain Columbine.** Blue and white flowers, 18 inches tall, blooms during June. Pkt., 10c; ½ oz., \$1.00.

ARABIS—Rock Cress

***ALPINA.** An excellent early blooming dwarf perennial, covered with a mass of white flowers. It makes a fine border to taller perennials. Blooms during April. Pkt., 10c; oz., 75c.

Perennials are used extensively in old fashioned gardens, hardy borders and rock gardens. They are easily grown and when once established become increasingly beautiful year after year. Care should be taken in selecting varieties according to their color, height and season of bloom.

The seeds may be sown indoors or in hot beds early in the spring and transplanted to their permanent locations when three or four inches tall. Very satisfactory results can also be obtained by sowing the seeds early in August and shading from excessive heat by using lath or burlap screens. It is well to give young plants winter protection the first year.

The following list includes those varieties which are most popular because of their beauty, usefulness and adaptability to local climatic conditions.

ARMERIA—Sea Pink

***FORMOSUM HYBRIDS.** Dwarf growing plants with grassy leaves and clover-like flower heads from May until July in various shades of pinks. Pkt., 10c; ½ oz., 50c.

ASTER

NOVA BELGII. Large double lilac-blue; September and October. 4 to 5 feet. Pkt., 10c; ¼ oz., \$1.75.

AUBRIETIA

***LARGE FLOWERING HYBRIDS.** Excellent dwarf spreading plants with rose, blue and lilac, blooms early in spring. Pkt., 10c; ½ oz., 75c; ¼ oz., \$1.25.

BELLIS—English Daisy (Double)

Favorite perennials producing their handsome double flowers in the spring. Rich soil and a cool situation suit them best.

GIANT DARK ROSE. Extra large double rose flowers from April on. Prefers a cool, shady place. Pkt., 10c; ¼ oz., 90c.

GIANT WHITE. Beautiful white double flowers produced on compact and sturdy plants. Pkt., 10c; ¼ oz., 90c.

DOUBLE MIXED. This mixture includes a well-balanced proportion of all colors. Pkt., 10c; ¼ oz., 75c.



Aquilegia

BOSTON IVY

AMPELOPSIS VEITCHII. Popular wall ivy with three lobed leaves which turn to a bright red color late in the fall. Pkt., 10c; oz., 50c.

CALCEOLARIA (Tender)

HYBRIDA GRANDIFLORA. Produces a mass of pocket-like flowers of various shades through the spring and summer. Fine for the greenhouse. Pkt., 50c; 1/32 oz., \$5.00.

CALLIRHOE—Poppy Mallow

***INVOLCRATA—**Rosy crimson flowers borne profusely from July until October. Of trailing habit, does well even in poor and sandy soil. Pkt., 10c; 1/4 oz., 50c.

CAMPANULA—CANTERBURY BELLS

CALYCANTHEMA. Tall, erect growing plants, completely covered with large cup and saucer-shaped flowers during May and June. A hardy Biennial. Blue, Rose, White and Mixed. Pkt., 10c; 1/8 oz., 25c; oz., \$1.50.

CAMPANULA (Single)

***CARPATICA.** Flowers clear blue and white, held erect on wiry stems 8 inches high, begins blooming in July until October. Pkt., 10c; 1/8 oz., 25c.

PYRAMIDALIS. Produces spikes 4 to 6 feet, covered with star-shaped flowers during entire summer. Blue and White. Pkt., 10c; 1/8 oz., 25c.

PERSICIFOLIA. Elegant blue and white flowers, height 2 feet. Pkt., 10c; 1/8 oz., 40c.

CANDYTUFT

***IBERIS SEMPERVIRENS.** Large heads of white flowers, covering the plants during May; 1 foot. Pkt., 10c; 1/4 oz., 90c.

GIBALTARICA. Much like the above, color of lilac rose. Pkt., 10c; 1/4 oz., 45c.

CARNATIONS

With protection these well known half-hardy perennials can be wintered over outdoors. When planted early they will begin to bloom in about four months and continue until late in the fall. For winter blooming they should be cut back by removing the flower shoots early in the fall and transplanted to pots and kept in a cool room.

EARLY DWARF VIENNA. Mixed Dwarf, compact plants about a foot tall, displaying an excellent range of bright colors. Pkt., 10c; 1/8 oz., 35c.

MARGARET. Half Dwarf, choice double mixed. Pkt., 10c; 1/8 oz., 35c.

PERPETUAL (Famous Chaubaud Type). Choicest mixture. Pkt., 10c; 1/4 oz., 70c.



Calceolaria



Marguerite Carnations

CENTAUREA

MACROCEPHALA. An excellent long stem cut flower. Large, golden yellow, thistle-like flowers of graceful formation. Pkt., 10c; 1/4 oz., 50c.

MONTANA. Showy, thistle-like, blue flowers on sturdy plants, growing 2 feet tall. Blooms freely from late April until late June. Pkt., 10c; 1/4 oz., 30c.

CERASTIUM—Snow in Summer

TOMENTOSUM. A valuable creeping plant, with silvery white foliage and snowy white star-shaped blooms covering the plants during May and June. When in full bloom the plants appear like a bed of snow. Pkt., 10c; 1/4 oz., 50c.

CHRYSANTHEMUM

Perennial Chrysanthemums are grown chiefly from divisions of roots of the Japanese varieties and cultivated by florists for late fall and winter cut flowers. The following perennials, however, can be very satisfactorily grown from seed, producing beautiful double flowers.

FINEST MIXED. Pkt., 10c; 1/4 oz., 30c.

CINERARIA (Greenhouse)

Among the most ornamental plants that can be grown for hot-house or conservatory decoration, producing large heads of brilliant flowers in all shades of blue, purple and red. One of the most beautiful potted plants.

HYBRIDA. Extra large flowered, first quality mixture. Pkt., 50c; 1/8 oz., \$6.75.

MARITIMA. Entirely different from the popular Cineraria, being most useful for bedding. Silver-leaved; also called Dusty Miller. Pkt., 10c; oz., 50c.

COLEUS (Tender)

An attractive foliage plant for ornamental bedding. Finest hybrid mixture. Pkt., 25c; 1/4 oz., \$2.00.

COREOPSIS—Golden Wave

GRANDIFLORA, fl. pl. This variety produces a large number of double and semi-double broadly expanded golden yellow flowers. The plants bloom freely during late spring and summer. Grows about 2 feet tall. Pkt., 10c; 1/4 oz., 25c.

CYCLAMEN (Tender)

Universally admired, tuberous rooted house plants with beautiful foliage and richly colored flowers. Sow the seed in light rich soil, barely covering, and keep at a temperature of 50 to 60 degrees F. Water freely until well started. Seeds sown in spring, by autumn will produce little bulbs, which placed in pots will bloom the following spring.

AMSTERDAM GIANTS, Florists Prize Mixture. Pkt., 25c; 100 seeds, \$2.00; 1/16 oz., \$3.50.



Delphinium



Gerbera



Feverfew

DAHLIA (Half Hardy)

Seed should be planted very early indoors and the plants transplanted in May or June. Most of the plants will bloom the same year. The roots should be dug before freezing weather and stored in sand in a cool place.

CACTUS HYBRIDS. Extra double mixed. Pkt., 25c; $\frac{1}{4}$ oz., \$2.00.

DECORATIVE. Pkt., 25c; $\frac{1}{4}$ oz., \$3.50.

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials. Very effective in beds, masses or borders. To prolong the season of bloom cut the old flower stems off after they have faded and new shoots will produce flower heads successively. Sow Delphinium seed as soon as it is received to insure strong germination.

GOLD MEDAL HYBRIDS. A selected English variety, producing long spikes, completely covered with large blooms. The colors range from sky-blue to a deep pansy violet. Pkt., 25c; $\frac{1}{8}$ oz., \$1.25.

WREXHAM OR HOLLYHOCK STRAIN. Light, medium or deep blue shades. Pkt., 25c; $\frac{1}{16}$ oz., \$1.00.

DIANTHUS—Hardy Pinks

***PLUMARIUS—Single Mixed.** Large showy single flowers in wide range of colors during May and June. 1 foot tall. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

***PLUMARIUS—Double Mixed.** Of very compact growth, double flowers in many colors, during May and June. 1 foot tall. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

EUPHORBIA (Snow on the Mountain)

VARIEGATA. A very showy plant, growing about 18 inches high and bearing umbels of pure white flowers with a small green eye during June to August. Pkt., 10c; oz., 35c.

FEVERFEW (Matricaria)

Beautiful, small, white button-like double flower heads. Plants of husky growth with very finely cut dark green foliage; desirable for bedding. Pkt., 10c; oz., 75c.

FORGET-ME-NOT—Myosotis

***ALPESTRIS.** White, Blue, Pink, or Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

***PALUSTRIS.** This is the Marsh Forget-Me-Not with its attractive heavy dark green foliage and bright blue flowers. Plant in the shade. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

FOXGLOVE OR DIGITALIS

In stately appearance the Foxgloves occupy a prominent place among our hardy plants. They succeed well in an average garden soil. Early summer sowings do best. White, Yellow, Rose, Purple. Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.25.

FINE MIXED. This mixture of the Giant Foxgloves is sure to please every gardener. It contains a wide range of rich colors. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 90c.

THE SHIRELY. This is a really beautiful new strain of Foxglove, bearing long, stately spikes closely set with large open bells of many bright colors. Especially showy and strong growing. Pkt., 10c; $\frac{1}{8}$ oz., 25c; oz., \$1.50.

GAILLARDIA

GRANDIFLORA (Blanket Flower). Beautiful large crimson flowers with contrasting yellow tips; 2 feet tall. Blooms from late spring until frost. Easily grown. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.

PORTOLA HYBRIDS. A new strain of Gaillardia of strong growth. The long stemmed, well-shaped flowers are golden yellow, marked with rich scarlet. Most outstanding. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

GERBERA (Jamesoni Hybrids)

NEW AFRICAN TRANSVAL DAISY, producing wonderfully beautiful daisy-like blooms of large size, in a wide range of colors. Grown either as a greenhouse plant or propagated in hot-beds and set out early in May. Very profitable cut flower for florists. Pkt., 10 seeds, 10c; 100 seeds, 75c; 1,000 seeds, \$5.00.

GEUM—Coccineum

***MRS. BRADSHAW.** Graceful, double orange-scarlet flowers produced during the summer on plants 2 feet tall. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

***LADY STRATHEDEN.** Fine, double, golden yellow flowers borne on graceful stems. Blooms during the summer; 2 feet. Pkt., 10c; $\frac{1}{8}$ oz., 60c.

GYPSOPHILA—Baby's Breath

SINGLE (PANICULATA). Tiny white flowers borne on slender stems. The plants are simply covered with blooms during June and July; 2½ feet. Pkt., 10c; ¼ oz., 25c.

DOUBLE BABY'S BREATH. Small, double, white flowers, carried on slender wiry stems. Makes a fine show during June and July. Pkt., 20c; ¼ oz., \$2.00.

***REPENS.** An excellent variety for rock-garden planting because of its prostrate growth. The plants are covered with small white flowers during June and July; 4 inches tall. Pkt., 10c; ¼ oz., 50c.

HELENIUM (P)

RIVERTON BEAUTY. Lemon-yellow flowers with a large purplish black cone in center. Blooms in August and September. Pkt., 10c; ¼ oz., \$1.00.

HELIOPSIS—Hardy Zinnia

SCABRA ZINNIAEFLORA. The double yellow flowers resembling a Dahlia are produced on stalks 3 to 4 feet tall during the entire summer. Excellent for cutting. Pkt., 10c; ¼ oz., 50c.

HELIOTROPE (Half Hardy)

The delightful fragrance and duration of bloom of this flower make it a garden favorite. Can be grown from seed as easily as Verbenas, and should be started early so that large plants may be had for bedding out. The colors of the blossoms range from white through all shades of violet to the deepest purple.

GIANT LEMOINI, mixed. Pkt., 10c; ¼ oz., 75c.

HESPERIS MATRONALIS

(SWEET ROCKET)

Old fashioned garden plants growing 2 to 3 feet high, bearing spikes of white or purple flowers. Excellent for planting in a border or among shrubbery. Pkt., 10c; ¼ oz., 25c.

HEUCHERA—CORAL-BELLS

SANGUINEA HYBRIDS. Spikes in White, Pink, Rose and Crimson, 12 inches tall, blooms from May until July. Pkt., 25c; 1/16 oz., \$2.00.

HIBISCUS—MALLOW MARVELS

GIANT MIXED. Canes growing 6 feet tall with large flower spikes in Crimson, Pink and White, blooms from May until July. Pkt., 10c; ¼ oz., 40c.

MOSCHATA. An easily grown garden variety, growing about 3 feet tall, producing flowers of large size and a variety of colors. Pkt., 10c; oz., 50c.

HOLLYHOCKS

GOLD MEDAL STRAIN. Double crested Begonia flowered. Not only are the flowers very large and perfect in form but they are produced in far greater numbers than the old-fashioned Hollyhock.

Fine Mixed. Pkt., 20c; ¼ oz., 50c.

Charters Double Choice Mixture. Pkt., 10c; ¼ oz., 30c.

Single Mixed. Large, very artistic blooms. Pkt., 10c; ¼ oz., 20c.

IBERIS—See Candytuft (Perennial)**INCARVILLEA—Hardy Gloxinia**

DELAVAYI. Bright rose flowers, plants 15 to 18 inches tall, June and July. Succeeds well in sunny border. Pkt., 25c; 1/16 oz., \$3.00.

LATHYRUS—Perennial Sweet Peas

Hardy climber with branches 8 to 10 feet long, blooms freely during the summer. Excellent for cutting.

PINK BEAUTY. Bright Rose Pink. Pkt., 10c; oz., \$1.25.

CRIMSON. Brilliant. Pkt., 10c; oz., \$1.00.

GIANT WHITE PEARL. Clusters of beautiful white flowers. Pkt., 10c; oz., 75c.

MIXED. All three colors. Pkt., 10c; ¼ oz., 65c.

LINARIA—Kenilworth Ivy

***CYMBALARIA.** Small lilac blue flowers, are born on a charming neat trailing plant. Pkt., 10c; ¼ oz., 40c.

LINUM—Perennial Flax

***PERENNE SIBERICUM.** Beautiful light blue flowers borne profusely on plants 2 feet tall from July until August. The blooms last only one day but they are produced continuously. Pkt., 10c; ½ oz., 30c.

LUNARIA—Honesty

Biennial plant having round, silvery, paper-like seed-pods which are dried for winter bouquets. Pkt., 10c; ¼ oz., 25c.



Sweet Rocket



Gaillardia



Foxglove

LUPINUS—Hardy Lupines

A showy hardy plant bearing graceful spikes, studded with sweet-pea shaped flowers, 3 feet. Last long after cutting. **POLYPHYLLUS.** A very popular sort, bearing clear deep azure blue flowers from June until September. Pkt., 10c; ¼ oz., 20c; oz., 60c.

MOERHEIM. A very showy spike graced with creamy pink flowers. Pkt., 10c; ¼ oz., 25c; oz., 75c.

SUNSHINE. A beautiful variety bearing a profusion of bright yellow flower spikes. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

LYCHNIS—Maltese Cross

Elegant hardy perennials of easy culture, excellent for massing in large beds or borders.

ARKWRIGHTII. Splendid hybrids, free flowering. Pkt., 10c; ¼ oz., 75c.

CHALCEDONICA (Rose Champion). Fine scarlet cross-like flowers, 2 feet; July. Pkt., 10c; ¼ oz., 25c.

HAAGEANA. Brilliant large, orange, scarlet, pink and crimson flowers, in mixture; 1 foot; July. Pkt., 10c; ¼ lb., 75c.

VISCARIA SPLENDENS. Bright rose red; 1 foot. Pkt., 10c; ¼ lb., 25c.

LYTHRUM—Loose Strife

ROSEUM SUPERBUM. Fine long heads of rich purplish red flowers from early July until late September, 2 to 3 feet tall. Pkt., 10c; ¼ oz., \$1.25.

MIMULUS (Half Hardy)

Showy, profuse flowering plants, fine for greenhouse or moist shady situations, blooming the first year from seed if sown early; 1 foot high. Often used for hanging baskets or window boxes.

MOSCHATUS OR MUSK PLANT. Fragrant foliage. Seed extremely small. Pkt., 10c; ½ oz., \$3.00.

PENSTEMON

HARTWEGII. Beautiful bell-shaped flowers on 18-inch spikes. Pkt., 10c; ¼ oz., \$1.00.

PHLOX

DECUSSATA—New Hybrids. 2 to 3 feet high; flowers in all bright colors; sow seeds late in fall and they will germinate in the spring. Pkt., 10c; ¼ oz., 75c.

PLATYCODON—Chinese Bellflower

GRANDIFLORA. Large showy, deep blue flowers on 20-inch spikes, are produced all summer. A splendid plant for the hardy border. Pkt., 10c; ½ oz., 25c.

***MARIESII.** Deep blue flowers in June and July; 1 foot. Pkt., 10c; ¼ oz., \$2.75.

PHYSALIS—Chinese Lantern Plant

FRANCHETII. Dense bushes about 2 feet high, producing freely, bright, orange-scarlet, lantern-like fruits. Pkt., 10c; ¼ oz., 50c.

PHYSOSTEGIA—False Dragon Head

A very pretty hardy perennial; dense bushes, bearing freely delicate tubular flowers; 3 to 4 feet; July-August.

VIRGINICA. Pink. Pkt., 10c; ¼ oz., \$1.00.

VIRGINICA ALBA. White. Pkt., 10c; ¼ oz., \$1.00.

POPPIES

These brightly colored flowers are unequalled for effectiveness and brilliancy of display. They succeed best in a sunny position.

ORIENTAL. The blooms are an intense shade of scarlet red having a conspicuous black blotch on each petal, borne on 2½ foot stumps during June and July. Pkt., 10c; ¼ oz., 50c.

PRINCESS VICTORIA LOUISE. An exquisite variety with mammoth flowers of bright salmon rose, very free bloomer. Pkt., 10c; ¼ oz., 90c.

CHOICEST MIXED. It includes many bright shades as is found in Oriental Poppies. Pkt., 10c; ¼ oz., 40c.

ROMNEYA COULTIN MATILIJIA. (Hardy California Tree Poppy.) 4 to 5 feet. Flowers white, 5 inches in diameter, very fragrant. Pkt., 10c; ¼ oz., \$1.25.

NUDICAULE—Iceland Poppies

Great numbers of flowers on slender stems 1 foot long throughout the season.

***COONARA PINK.** A particularly fine strain of a lovely pink shade of latest introduction. Pkt., 20c; ½ oz., \$1.00.

***DOUBLE MIXED.** Embracing all the graceful, gaily, colored flowers in white, yellow and orange found in Iceland Poppies. Pkt., 10c; ¼ oz., 75c.

PRIMULA—Primrose

***AURICULA.** Many bright colors, including orange, copper, brown, and other pastel shades. An excellent hardy Primrose for the border; 6 inches tall. Blooms during spring. Pkt., 10c; 1/16 oz., 50c.

***VULGARIS (English Primrose).** Large rich yellow flowers during the spring; 6 to 8 inches tall. A favorite variety. Pkt., 10c; 1/16 oz., 50c.

COWSLIP OR OENOTHERA. Evening Primrose. Pkt., 10c; ¼ oz., 20c.

CHINESE PRIMROSE. (Primula sinensis fimbriata.) Popular winter blooming pot plant. Special florist strain, giant mixed. Pkt., 25c; 1/16 oz., \$8.00.

MALACOIDES. Fine house plant, lilac. Pkt., 10c; ½ oz., \$2.00.

PYRETHRUM—Painted Daisy

ROSEUM, MIXED. A showy perennial with daisy-like flowers, blooming during May and June. The plants grow 2 feet tall and come in shades of rose, pink, red and white. Pkt., 10c; ½ oz., 50c.

DOUBLE MIXED. This mixture contains many bright showy colors, shading from white to deepest red. The blooms are elegantly doubled. Pkt., 10c; ½ oz., \$1.00.



Physostegia



Platycodon



Saponaria

RANUNCULUS—Asiaticus

Improved Palestine strain (Ragionieri). Pkt., 25c; 1/16 oz., \$2.50.

RUDBECKIA

PURPUREA. A handsome variety, producing large, dull rosy purple flowers with a black center. Blooms from July until October; 2 feet. Pkt., 10c; 1/4 oz., 50c.
SPECIOSA (Cone Flower). Rich brilliant yellow blooms, purple center. Fall blooming; 2 feet. Pkt., 10c; 1/4 oz., 50c.

SAPONARIA—Rock Soapwort

***OCYMOIDES.** Splendid hardy rock plant, with rose pink flowers during spring and summer; 6 to 9 inches tall. Pkt., 10c; 1/4 oz., 25c.

SCABIOSA—Pin Cushion Flower

Charming perennials for border and cut flower culture.

CAUCASICA. The large lavender blue flowers are borne profusely on fine long stems. The plants are about 2 feet tall. Pkt., 10c; 1/4 oz., 60c.

COLUMBARIA LAVENDER. The large lavender blue flowers are borne on short heavy stems, a splendid improvement upon the older varieties. Pkt., 10c; 1/4 oz., 75c.

COLUMBARIA PINK. The showy large blooms are a bright shade of rich pink. Pkt., 10c; 1/4 oz., 75c.

SHASTA DAISY

Splendid hardy perennial plants, having large white flowers with yellow center, born singly on long stiff, wiry stems; excellent for cutting; profuse bloomers. Pkt., 10c; 1/4 oz., 35c.

STATICE—Sea Lavender

Splendid hardy perennials, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets; 2 feet.

INCANA HYBRIDA. Mixed colors. Pkt., 10c; 1/4 oz., 75c.

LATIFOLIA. Large deep-blue flowers. Pkt., 10c; 1/4 oz., 60c.

STOKESIA—Cornflower Aster

CYANEA. A lovely hardy plant producing an abundance of handsome lavender flowers blooming all summer, 2 feet high. Pkt., 10c; 1/4 oz., 60c.

SWEET WILLIAM**DIANTHUS BARBATUS**

A universally admired perennial flower, which, when once started, will last for years. Free-flowering and attractive, producing a splendid effect in beds and borders. It is preferable to sow the seed very early in the spring every year and have vigorous young plants coming into bloom the same season. They may be sown, however, in August to bloom the following spring. Very satisfactory results are also obtained by dividing the roots of old plants.

SINGLE MIXED. All shades of white, pink and red. Pkt., 10c; oz., 60c.

DOUBLE MIXED. Very fine; all colors. Pkt., 10c; oz., 75c.

THALICTRUM—Meadow Rue

Very graceful perennial plants with finely cut foliage; excellent for the hardy border.

AQUILEGIFOLIUM. Columbine Meadowrue, 3 feet tall, blooms in June. Pink, White and Purple. Mixed. Pkt., 10c; 1/4 oz., 50c.

DIPTEROCARPUM. Rosy purple, with yellow anthers. Pkt., 10c; 1/4 oz., \$1.25.

ADIANTIFOLIUM. Plants 1 foot, yellow flowers; June and July. Pkt., 10c; 1/4 oz., 25c.

TRITOMA—Poker Plant

EARLY HYBRID. Massive orange-scarlet flowers, spikes 3 feet tall. Needs winter protection. Pkt., 10c; 1/4 oz., \$1.00.

UVARIA GRANDIFLORA. (Poker Plant or Flame Flower.) Large spikes of orange-scarlet flowers, height about 3 feet tall. Pkt., 10c; 1/4 oz., \$1.50.

TROLLIUS (Globe Flower)

Beautiful border and rockery plants, 18 inches, flowering from May to July.

***EARLIEST OF ALL,** light orange, yellow.

***GOLIATH,** dark orange. Pkt., 25c; 1/4 oz., \$2.50.

VALERIANA (Coccinea)

Very showy red flowered border plant, 2 to 3 feet. Does well in poor soil. Pkt., 10c; oz., 75c.

VERONICA—Speedwell

SPICATA MIXED. Bright blue, pink and white flowers during June. Grows 1 1/2 feet tall. Pkt., 10c; 1/4 oz., 50c.

MARITIMA. Deep blue flowers in July to late September; 2 feet. Pkt., 10c; 1/4 oz., 50c.

***REPENS.** Lovely deep blue flowers during May and June; 6 inches tall. Pkt., 20c; 1/4 oz., \$1.00.

VIOLAS OR TUFTED PANSIES

Well-known, free-flowering hardy perennials, easily grown from seed. While flowers are not so large as the regular type of Pansy, the blooms are produced in such an abundance and the flowering season so much longer that they are superior to pansies for some purposes. Seed sown in April produces flowering plants by June and from then on until frost they are a sheet of bloom.

PURPLE QUEEN. Clear distinct blue. Pkt., 10c; 1/4 oz., 35c.

VIOLET-ODORATA

This beautiful, sweet-scented hardy perennial can be easily grown from seed, thriving best in a partially shaded, moist situation. Pkt., 10c; 1/4 oz., 75c.

WALLFLOWER

GIANT GOLIATH. The earliest and best single variety; large flowered, extra dark blood red. Pkt., 10c; 1/4 oz., 20c.

SINGLE MIXED. Pkt., 10c; oz., 25c.

BRANCHING TALL. Double mixed. Pkt., 10c; 1/4 oz., \$2.00.



Trollius



Stokesia



Wallflower



HARDY PERENNIAL PLANTS

Hardy Perennials appear year after year and as each variety has a fixed time of blooming a selection can be made that will give flowers to cut from early Spring until late Fall.

Descriptions not given here will be found in Perennial Seed Classification.

ACHILLEA—Ptarmica

*THE PEARL. 20c each; \$2.00 doz.

ALYSSUM

*SAXATILE. 25c each; \$2.50 doz.

ANCHUSA ITALICA

DROPMORE. 20c each; \$2.00 doz.

AQUILEGIA OR COLUMBINE

LONG SPURRED GIANT HYBRIDS. 25c each; \$2.50 doz.

ARABIS—Rock Cress

*ALPINA. 25c each; \$2.50 doz.

ARMERIA—Sea Pink

*MARITIMA. Forming evergreen tufts 3 inches tall with rose-pink flowers on slender stems 12 inches long. They flower almost continuously from spring to fall. 20c each; \$2.00 doz.

ARTEMISIA—Ghost Plant

SILVER KING. Gives the effect of frosted silver, 2 feet. It can be cut down to 5 or 6 inches for bedding purposes. The ornamental silvery foliage proves very effective among shrubbery. 20c each; \$2.00 doz.

DWARF ALPINE ASTERS

*ALPINUS. A hardy border plant indispensable for the rockery, grows 6 to 10 inches high and bears large showy bluish-purple flowers in May and June. 20c each; \$2.50 doz.

ASTILBE—Spirea

KRIEMHILDE. A new variety 2½ to 3½ feet high with lovely feathered spikes of pure salmon pink flowers. 75c each.

GRANAT. Dark crimson, very large trusses, very effective. 90c each.

GLADSTONE. Immense trusses of pure white flowers. 90c each.

CAMPANULA—Canterbury Bells

CALYCANTHEMA. 15c each; \$1.50 doz.

CARNATION

These hardy border Carnations bloom very profusely during summer and fall. In cold sections the plants should be protected with Peat Moss or Straw Manure. The large double flowers are produced in white, red and pink. 35c each; \$3.50 doz.

CHRYSANTHEMUM

15c each; \$1.50 doz.

COREOPSIS—Golden Wave

LANCEOLATA. Flowers rich golden yellow and of graceful form. Fine for cutting, grows 2 feet tall. Blooms are produced in great quantities all during summer. 20c each; \$2.00 doz.

DELPHINIUM—Hardy Larkspur

GOLD MEDAL HYBRIDS. 20c each; \$2.00 doz.

BELLADONNA. 15c each; \$1.50 doz.

BELLAMOSA. A dark blue variety of Belladonna, grows 4 feet tall. 15c each; \$1.50 doz.

DIANTHUS—Hardy Pinks

*PLUMARIUS. 15c each; \$1.50 doz.

*DELTOIDES—Maiden Pink. A continuous flowering variety with pink flowers, 12 inches high. 25c each; \$2.50 doz.

*ALWOODI. The flowers are much larger than the old type of Hardy Pinks and are borne on long stems suitable for cutting, deliciously clove scented. They are perfectly hardy and bloom continuously from early spring until late in the fall. 25c each; \$2.50 doz.



Anchusa



Astilbe



Helianthus



Artemisia

DICENTRA—Bleeding Heart

SPECTABILIS. An old fashioned favorite, its long sprays of graceful heart shaped pink flowers are very attractive, blooms very early and disappears during summer and fall. 50c each.

EUPATORIUM—Hardy Ageratum

COELESTINUM. Blue flowers resembling the annual Ageratum during the fall. Starts growth in June, 2 feet tall. 20c each; \$2.00 doz.

FORGET-ME-NOT—Myosotis

***ALPESTRIS.** 25c each; \$2.50 doz.

***PALUSTRIS.** 25c each; \$2.50 doz.

FOXGLOVE OR DIGITALIS

GLOXINIA FLOWERED. A very showy biennial with large bell-shaped blooms on spikes, 4 to 6 feet high. Includes white, pink, purple lilac. 15c each; \$1.50 doz.

GAILLARDIA—Blanket Flower

GRANDIFLORA. 20c each; \$2.00 doz.

GEUM

***MRS. BRADSHAW.** 20c each; \$2.00 doz.

***LADY STRATHEDEN.** 20c each; \$2.00 doz.

GYPSOPHILA—Baby's Breath

EHRLEI. Producing a mass of delicate pure white double flowers during August and September. They may be used as fresh cut flowers in bouquets, also for a semi-everlasting effect. Strong grafted plants. 50c each.

PANICULATA. 20c each; \$2.00 doz.

HELIANTHUS—Hardy Sunflower

Very effective in borders, among shrubbery or as clumps on the lawn. They produce masses of large double yellow flowers on long graceful sprays during summer until frost. Splendid for cutting and decoration, 4 to 6 feet high. 25c each; \$2.50 doz.

HEMEROCALLIS—Yellow Day Lily

FLAVA. Lily like plants flowering in great profusion during June and July, deep lemon yellow blooms, very fragrant, 2½ to 3 feet. 20c each; \$2.00 doz.

KWANSO, fl. pl. Large, double, golden bronze, blooms during June and July, 3 1/3 feet. 25c each; \$2.50 doz.

HEUCHERA—Coral Bells

***SANGUINEA.** 40c each; \$4.00 doz.

HIBISCUS—Mallow Marvels

GIANT MIXED. 25c each; \$2.50 doz.

HOLLYHOCKS

GOLD MEDAL STRAIN. 15c each; \$1.50 doz.

IBERIS—Hardy Candytuft

***SEMPERVIRENS.** 20c each; \$2.00 doz.

LATHYRUS—Perennial Sweet Peas

A hardy trailing or climbing plant with fine Sweet-Pea like flowers produced in cluster from June until September. In colors of red, pink and white. 20c each; \$2.00 doz.

LILY OF THE VALLEY

Strong field grown clumps which will give quick results and bloom freely. 50c each.

LINUM—Perennial Flax

***PERENNE.** 25c each; \$2.50 doz.

LOBELIA

CARDINALIS. 20c each; \$2.00 doz.

LUPINUS—Hardy Lupines

POLYPHYLLUS. 20c each; \$2.00 doz.

LYCHNIS

VISCARIA. 25c each; \$2.50 doz.

LYSIMACHIA

NUMMULARIA—Money-Wort. Valuable for planting under trees or shrubs where grass will not grow. This trailing plant is very useful for hanging baskets. 25c each; \$2.50 doz.

MONARDA—Bergamot

DIDYMA, CAMBRIDGE SCARLET. The sweetly fragrant flowers are produced on foliage 18 inches high from June to September. 20c each; \$2.00 doz.

NEPETA

***MUSSINI.** A compact grower forming tufts of small violet blue flowers during July and August, an excellent plant for rock gardens. 20c each; \$2.00 doz.

PACHYSANDRA

TERMINALIS. An evergreen trailing plant with thick glossy foliage forming a dense mat; 6 to 8 inches high; small flower spikes of a grayish white in May and June. One of the best ground covers for either sunny or shaded location. 35c each; \$3.50 doz.

PENSTEMON—Beard Tongue

BARBATUS TORREYI. Spikes of brilliant scarlet flowers; 3 feet; June to August. Very useful either for border or rockery. 25c each; \$2.50 doz.

PHYSALIS—Chinese Lantern Plant

FRANCHETI. 20c each; \$2.00 doz.

PHYSOSTEGIA—False Dragonhead

VIRGINICA. 20c each; \$2.00 doz.

PLATYCODON—Chinese Bellflower

MARIESII. 20c each; \$2.00 doz.

PHLOX

These beautiful hardy border plants are among the most effective flowers in the garden during late summer and fall. Great improvements have been made during the past few years, both as to color and size of bloom.

We have tried to confine our list to the very best of the numerous varieties offered.

ANTONIN MERCE. Clear lilac with white eye, extra large. 25c each; \$2.50 doz.

BEACON. Brilliant cherry red, large flower heads carried on long stems. 25c each; \$2.50 doz.

BRIDESMAID. Pure white with large crimson carmine eye. 25c each; \$2.50 doz.

COMMANDER. Beautiful, new, crimson red with darker eye. The most striking of Phloxes. 35c each; \$3.50 doz.

ELIZABETH CAMPBELL. Beautiful, light salmon with a pink center. 35c each; \$3.50 doz.

MRS. MILLY VAN HOBOKEN. Bright orange pink. 35c each; \$3.50 doz.

MISS LINGARD. Pearly white flowers with delicate pink eye. 35c each; \$3.50 doz.

RIJNSTROOM. The large bright rose pink blooms form magnificent trusses. 25c each; \$2.50 doz.

PHLOX SUBULATA—Moss Pinks

Evergreen moss like foliage which during the flowering season in April and May is hidden under the masses of bloom. An excellent plant for border, rockery or as a ground cover.

***AMOENA.** Very showy pink flowers. 25c each; \$2.50 doz.

***ALBA.** Pure White. 25c each; \$2.50 doz.

***FAIRY.** Pale blue with dark purple eye. Slow growing, neat in habit with compact foliage. 25c each; \$2.50 doz.

***ROSEA.** Rose-Pink. Blooms profusely. 25c each; \$2.50 doz.

***VIVID.** Bright pink with fiery red eye. A new introduction. 45c each; \$4.50 doz.

PLUMBAGO—Leadwort

***LARPENTAE.** It is of dwarf spreading habit, covered with deep blue flowers during summer and fall. 6 to 8 inches high. 20c each; \$2.00 doz.

POPPIES

***NUDICAULE.** The graceful foliage is surmounted with a mass of stems 12 inches high which terminate in a beautiful cup-shaped flower. Blooms continuously the entire summer. Separate colors, white, yellow and orange. 25c each; \$2.50 doz.

POPPIES—Orientale

GOLIATH. Flowers rich scarlet, the largest flowered of this class. 30c each; \$3.00 doz.

MRS. PERRY. A soft shade of salmon rose, a favorite where ever grown. 30c each; \$3.00 doz.

ORIENTALIS. Large glistening orange-scarlet flowers during June. 30c each; \$3.00 doz.

PRIMULA—Hardy Primrose

***VERIS—English Cowslip.** One of the first early spring flowers, varying from a clear yellow to shades of maroon. They delight in a semi-shaded location. 25c each; \$2.50 doz.

PYRETHRUM

ROSEUM MIXED. 20c each; \$2.00 doz.

RUDBECKIA

GOLDEN GLOW. A well known popular plant attaining a height of 5 to 6 feet, produces masses of double golden yellow Cactus Dahlia like flowers from July to October, fine for cutting. 20c each; \$2.00 doz.

SCABIOSA—Pin Cushion

CAUCASICA. 20c each; \$2.00 doz.

SEDUM—Stonecrop

***ALPINATUM.** They are very hardy, drought resisting. Pretty rosette-like foliage, erect, 4 inches high. 35c each; \$3.50 doz.

SPECTABLE. Erect growing mass of rose colored flower heads, 18 inches. 20c each; \$2.00 doz.

***SIEBOLDI.** A charming alpine growing in miniature tufts. Glaucous foliage, each leaf rimmed with a circle of crimson. 25c each; \$2.50 doz.

SHASTA DAISY. 15c each; \$1.50 doz.

STATICE—Sea Lavender

LATIFOLIA. 20c each; \$2.00 doz.

STOKESIA—Cornflower Aster

CYANEA. 25c each; \$2.50 doz.

SWEET WILLIAM

PRIZE MIXTURE. The plants grow 1½ feet tall. Very showy, of many colors. 15c each; \$1.50 doz.

THALICTRUM—Meadow Rue

DIPTEROCARPUM. 25c each; \$2.50 doz.

TRITOMA—Red Hot Poker

PFITZERI. Rich orange-scarlet, blooms borne on stems 3 feet high, very attractive for mass planting or singly in border, in bloom from August to October. Must be protected in winter. 20c each; \$2.00 doz.

VERONICA—Japanese Speedwell

LONGIFOLIA SUBSESSILIS. A strong grower and undoubtedly the finest of all the Veronics, rich blue flowers on 3 foot spikes during July and August. 20c each; \$2.00 doz.

VIOLA

CORNUTA—Jersey Gem. 25c each; \$2.50 doz.



Primula



Phlox Subulata



Tritoma

PEONIES

BARONESS SCHROEDER. Rose type fading to milk white. Immense globular flowers of perfect form, sweet scented of great lasting substance. Late midseason. 60c each.

COURONNE D'OR. Immense, very full imbricated flat flowers. Semi-rose type; pure white with a ring of yellow stamens around a tuft of center petals tipped carmine. Late. 60c each.

EDULIS SUPERBA. The color is a clear mauve-pink with a beautiful silvery sheen cast over it. Crown type, very early. 50c each.

FELIX CROUSSE. Rose type, midseason, Rich dazzling ruby red. The flowers are large, globular with great substance. Blooms very profusely. 50c each.

FESTIVA MAXIMA. A magnificent strong growing variety, of the rose type, coming in bloom early and remaining in good condition for a long time. Pure white with clear carmine spot on edge of center petal. The finest white in existence. 50c each.

MONS. JULES ELIE. Very large flower of ideal glossy lilac-pink, shading to a deeper rose at the base. The entire flower overlaid with a sheen of silver. Bomb type, early midseason. 60c each.

SARAH BERNHARDT. Semi-rose type, midseason. Apple Blossom pink with each petal silver tipped, giving the appearance of a distinct border. Very strong growing and free blooming. Substance heavy and lasting and as flowers are borne on strong erect stems they are unequalled for cutting. \$1.50 each.



Pansies

ANNUAL PLANTS

10c Each. \$1.00 Dozen Except where noted.

Ageratum	Calendula	Heliotrope,	Pansy,	Scarlet Sage	Summer	Verbenas	Zinnias	Cinnamon
Alyssum	Coleus	\$1.50 doz.	Clumps	Snappedragons	Poinsettas,	Vinca	Clematis,	Vines
Asters	Geraniums,	Lantana	Petunias	Stocks	15c. each.	Wallflower	Paniculata,	Moon Vines
	\$1.50 doz.	Lobelia			\$1.50 doz.		50c each.	Parlor Ivy



Calendula



Petunia



Peony



Gladiolus in Mass Planting

LONGFELLOW. Clear La France pink, tall spike of large wide open flowers.

LOS ANGELES. Shrimp pink with orange-carmine throat. Famous as a "cut and come again" variety, as it will send up numerous side spikes if properly grown.

MINUET. A beautiful clear light lavender. Considered the finest gladiolus in this color.

MR. W. H. PHIPPS. LaFrance pink, overlaid with salmon rose, lighter towards the center, lower petals faintly striped and speckled with ruby. A large flower on strong stem, many open at a time.

MRS. DR. NORTON. Silvery white base, tinged with pink, deepening towards the edges of the petals, creamy blotches in throat on lower petals; tall vigorous grower, splendid cut flower.

MRS. FRANCIS KING. Brilliant flame red, shaded salmon toward throat; very tall, strong spike; an old favorite florist variety.

MRS. FRANK PENDLETON. Deep rose-pink, shading to pale pink in throat, large bright crimson blotches on lower petals, giving it a striking appearance; tall, vigorous grower; extra cut flower sort.

MRS. LEON DOUGLAS. Tremendously large flowers, many open at a time, very tall, strong stem with several side shoots. Color, begonia rose striped with flame scarlet, lower petal pale lemon, speckled ruby. The whole forming a gigantic bouquet. Considered one of the largest glads in existence.

MRS. VAN KONYNENBURG. Best true blue variety, grows five feet tall, stems erect, flowers well placed on stems.

PEACE. One of the best, pure white with lilac feathering on lower petals; large flowers on long, strong stem, many open at a time; great variety for late blooming.

PERSIA. Glossy, velvety purplish maroon, almost black.

SOVEREIGN. Deep indigo blue. Large rounded flowers well placed on strong stem.

TARO. A ruffled flower of deep rose pink.

TYCKO ZANG. A very attractive large flower of a salmon pink shade.

VIRGINIA. Flaming scarlet; large, massive flowers, many open at a time, making a gorgeous display of dazzling red; good forcer.

GLADIOLI

Plant Manns' Gladioli Bulbs. They are strictly 1½ inch or more in diameter, sound, true to name, and can be absolutely depended upon to produce large, beautiful well-formed blooms.

Cultural Suggestions: Set bulbs 4 inches deep and 6 inches apart, either in rows or massed in beds, borders or among shrubbery. Successive plantings from April to July will bloom from July until frost. They will thrive in any good garden soil, but a sunny location is best. Cultivate frequently and water freely while blooms are forming.

CAPTAIN BOYNTON. Massive lavender with maroon spot in the throat. A large show flower, tall spike, very choice. Midseason.

CHARLES DICKENS. Beautiful purple violet. A very good grower with large flowers on tall spikes.

CRIMSON GLOW. Rich glowing velvety crimson, shaded deeper in the center; tall, strong grower; flowers well placed; considered the best in its color.

DR. F. E. BENNETT. Peach red, overlaid with flame scarlet, throat speckled ruby and creamy white. Flowers of large size and on strong stem.

GIANT NYMPH. Light rose pink, with creamy yellow throat. A very large wide open flower well arranged on strong stem.

GLORIANA. Finest golden salmon with pure yellow throat. Many well opened flowers at a time on straight, strong and tall stems.

GOLDEN DREAM. Pure golden yellow. One of the leading cut-flowers.

GOLDEN MEASURE. Finest and most vigorous pure golden yellow in existence; very large flowers of good substance; robust grower and considered the best yellow on the market; a superior quality Gladiolus.

HALLEY. Delicate salmon-pink with creamy yellow blotch on lower petals; very early and great favorite as a commercial cut flower.

JACOBA VAN BEYEREN. Pure deep violet. Flowers well arranged on tall erect stem.

Variety	PRICES		
	Each	Doz.	Per 100
Captain Boynton .....	.09	.90	6.50
Charles Dickens .....	.10	1.00	7.50
Crimson Glow .....	.05	.50	3.50
Dr. F. E. Bennett .....	.09	.90	7.00
Giant Nymph .....	.06	.60	4.00
Gloriana .....	.09	.90	7.00
Golden Dream .....	.10	1.00	7.50
Golden Measure .....	.08	.80	6.00
Halley .....	.04	.40	3.00
Jacoba Van Beyerens .....	.07	.75	5.50
Longfellow .....	.10	1.00	7.50
Los Angeles .....	.06	.60	4.00
Minuet .....	.12	1.25	9.00
Mrs. Dr. Norton .....	.06	.60	4.00
Mrs. Francis King .....	.04	.35	2.50
Mrs. Frank Pendleton .....	.05	.50	3.50
Mrs. Leon Douglas .....	.07	.70	5.00
Mrs. Van Konynenburg .....	.17	1.65	12.50
Mrs. W. H. Phipps .....	.10	1.00	7.50
Peace .....	.04	.35	2.50
Persia .....	.06	.60	4.00
Sovereign .....	.09	.90	6.50
Taro .....	.07	.70	5.00
Tycko Zang .....	.06	.60	4.00
Virginia .....	.04	.40	3.00

GLADIOLUS MIXTURES

MANNS' SPECIAL VARIETY MIXTURE: 25 named varieties, mixed to serve our customers who want variety of colors with the highest quality sorts included.

25 Bulbs (one each of 25 varieties) \$1.25
100 Bulbs (four each of 25 varieties) 4.50

MANNS' SUPERIOR RAINBOW MIXTURE: Made up of varieties which because of their commercial value and reliable flowering qualities are being produced in such large quantities that low prices are made possible.

35c per doz.; \$2.25 per 100



ROSE BUSHES

Selected Stock Ever Blooming Hybrid Tea

The Seal Kraft process not only consists of a coating of wax but the wrapping and sealing of the roots so that the entire package is practically 100 per cent air tight and evaporation proof. This assures these rose bushes reaching you in perfect condition with the original vitality fully protected. Not to be confused with cheap imitations of the Seal-Kraft Patented process.

They are strong healthy No. 1 stock, priced so low that it is not necessary to wait for so-called "sales" and "bargain offers." Select the varieties you want with assurance that they are true to name.

We recommend the following list for their all around hardiness and general popularity; including many old favorites as well as newer introductions. Order now while assortments are complete.

Seal Pakt Super Brand Selected

75c each. 3 for \$2.00

BETTY UPRICHARD. Medium size well formed flowers; color, orange and carmine; a pleasant combination.

CHARLES H. DOUGLAS. Scarlet in color and slightly fragrant. A strong grower and one of the best red roses for the garden.

CRUSADER. An attractive fine crimson rose.

DAME EDITH HELEN. A free flowering sweetly scented rose of clear pink color and very shapely buds.

DUCHESS OF WELLINGTON. Very fragrant large flowers, saffron yellow changing to coppery yellow. One of the Killarney type roses.

ETOILE DE HOLLAND. Brilliant red flowers of large size, very fragrant, vigorous and healthy grower.

FEU JOSEPH LOOYMANS. Large vivid yellow bud shaded copper and orange opening to a yellow and cream.

FRAU KARL DRUSCHKI. A pure snow white rose of good size and shape, prolific bloomer during June. The flowers appearing often in the fall.

J. J. L. MOCK. Very large and attractive carmine pink; a favorite among rose growers.

K. A. VICTORIA. A rose that should be in every rose growers selection. Color a soft pearly white tinted with lemon.

LADY MARGARET STEWART. A lovely new rose which has won praise from those who have grown it; of pleasing golden yellow color.

MARGARET MCGREDY. A splendid orange vermillion rose; flowers of good size and of pleasing shades.

MRS. A. R. BARRACLOUGH. One of the finest new roses, very fragrant, large pointed buds of carmine pink, shaded with clear light yellow at base of petals.

PADRE. A coppery yellow rose of exquisite beauty.

RADIANCE PINK. One of the easiest roses to grow; produces large flowers throughout the summer.

RADIANCE RED. A satisfactory bedding rose, free flowering and a good grower.

REV. F. PAGE ROBERTS. A golden yellow shaded red rose of large size and very fragrant.

SOUVENIR DE CLAUDIS PERNET. A vigorous grower of erect branching habit. One of the best pure yellow roses that are grown today. Buds of good shape on long stiff stems.

TALISMAN. A rose noted for its exceptional color. Scarlet orange with rich yellow shadings; strong grower with rich glossy foliage and very free flowering.

LOS ANGELES. One of the finest roses grown; color, luminous flame pink toned with coral and shaded with translucent gold at base of petals; flowers very large and a vigorous grower.

No. 1 Gold Seal Brand—Seal Kraft Coated

50c each. 3 for \$1.25

CRUSADER Crimson.

HADLEY Velvety Crimson.

J. J. L. MOCK, Carmine Pink

K. A. VICTORIA, Snowy White.

MME. ED. HERRIOT, Pernet Red.

MRS. AARON WARD, Yellow Primrose.

PADRE, Coppery Yellow.

RADIANCE, Pink.

RADIANCE, Red.

Blue Seal Brand—Seal Kraft Coated

No. 2 size. 25c each.

J. J. L. MOCK, Carmine Pink.

K. A. VICTORIA, Snowy White.

LUXEMBURG, Orange Yellow.

LADY HILLINGDON, Saffron Yellow.

RADIANCE, Pink.

RADIANCE, Red.

CLIMBING ROSES

AMERICAN BEAUTY, Brilliant Carmine.

DR. VAN FLEET, Pale Pink.

PAULS SCARLET, Intense Scarlet.

BOXWOOD

BUXUS SUFFRUTICOSA. (Antique, Colonial or English Boxwood). Unrivaled for edgings and low hedges; slow growing and therefore remains dwarf for a long time. In the old gardens of the South, notably in Virginia and Maryland, Buxus Suffruticosa has attained a large size, often six feet or more in height and diameter. 10-12 ins. B. B. 75c each; 15-18 ins. B. B. \$1.00 each.

BUXUS SEMPERVIRENS. (Hedge Boxwood). This species is adapted to hedge planting, and can be clipped to definite height, or allowed to grow naturally. 5-6 ins. 25c each; 8-10 ins. 75c each; 14-16 ins. B. B. \$3.75 each.





1932 INTRODUCTIONS—Grown from Originator's Stock

AMERICAN LEGION—(SC). New winner of gold medals; a big artistic clear yellow. Plants only \$7.50.

MYRA HOWARD—(ID rated 89). Another prize winner; a glowing combination of saffron yellow and orange gold with tints of salmon. Plants only \$7.50.

JEAN KEEFER—(ID rated 85). Coloring in bright rose pink shading to silver and bright mauve at the tips of the long petals. Roots \$10.00; plants \$5.00.

MARYLAND ORANGE—(SC). Attractive bright orange excellent for cutflower, garden or exhibition. Plants only \$5.00.

AMBASSADOR—(C). A beautiful dahlia greatly admired; strong grower, and free bloomer. Has many gorgeous colors, blending from a soft yellow center to salmon pink tips. Roots 75c; plants 50c.

AMERICAN TRIUMPH—(C rated 85). Incurved petals, oriental bright clear red. Roots \$2.50; plants \$1.25.

AZTEC GLORY—(ID). Deep massive artistically formed blooms of clear yellow; foliage distinctively glossy. Roots \$2.00; plants \$1.00.

DWIGHT W. MORROW—(ID rated 86). Spectacular gigantic rich red dahlia, admired by all. Roots \$10.00; plants \$5.00.

EAGLE ROCK FANTASY—(ID rated 87). Huge mallow pink or violet rose flowers with silver shading. A very desirable recent introduction. Roots \$10.00; plants \$5.00.

EDNA FERBER—(SC). The leading attraction of 1927. Color a glistening coral, shading to old gold at the base of petals, which are curled and twisted, making a very full flower of extreme beauty and poise. Foliage dark green and thick, medium to tall habit of growth. Roots \$1.50; plants 75c.

ELITE GLORY—(FD). This wonderful dahlia was introduced in 1926. Monstrous flower of a brilliant rich red, without any apparent purple or maroon shading. Blooms and foliage huge in size; fine keeping qualities as a cut flower. Constant prize winner. Roots \$1.00; plants 50c.

FORT MONMOUTH—(ID rated 86). Rich claret color, very prolific garden sort and a winner at exhibitions. Roots \$2.50; plants \$1.25.

FRAZIER—(FD). Continuous blooming sort of rather dwarf growth with flowers facing upright. Rich glowing red with yellow at base and tips of petals, very showy. Roots \$3.00; plants \$1.50.

GOLDEN SONNE—(C). Large flower of rich golden yellow with soft rose suffusion. Roots \$1.00; plants 50c.

IDA PERKINS—(FD). One of the best white dahlias. Blooms early and continuously, good for cutting, garden or exhibition. Leathery, dark green foliage. Roots \$1.50; plants 75c.

JANE COWL—(ID). Massive blooms of bronzy buff and brilliant gold, broad twisted petals, good stem. Roots \$1.00; plants 50c.

JERSEY'S BEACON—(FD). A decided novelty of merit; chinese scarlet with a paler reverse, giving a two-toned effect. An exhibition flower of vigorous growth; excellent stem. Roots 50c; plants 25c.

DAHLIAS

Exhibition, Garden and Cut Flower Varieties

Dahlias do well in almost any kind of soil, but thrive best in a medium loam. The tubers should be planted in a horizontal position, with the sprout up and about four inches below the surface; they should be set three or four feet apart each way, in deeply spaded soil. Mulch with peat moss and allow only one shoot to stand. A good plant food applied just as the buds start to form will increase the size and improve the color of the blooms. If large exhibition blossoms are desired, it is absolutely necessary to disbud. After the frost has killed the flowers, the roots should be removed from the ground, allowed to dry for two or three days, and then stored away in peat moss in a cool, dry, dark place, where frost will not reach them.

KEY. C—Cactus. SC—Semi Cactus. ID—Informal Decorative. FD—Formal Decorative.

JERSEY'S BEAUTY—(FD). This wonderful dahlia was introduced by W. H. Waite in 1923, and is numbered as one of the favorite varieties. Most delicate cut flower on good stiff stem, of an erosine pink; a wonderful keeper; plant of erect habit and growth. Roots 50c; plants 25c.

JIM MOORE—(SC rated 86). Highly recommended profuse blooming, large exhibition and cut flower variety. Primrose yellow shaded gold with tints of salmon. Roots \$4.00; plants \$2.00.

KATHLEEN NORRIS—(ID rated 87). The finest true rose pink yet introduced. Roots \$4.00; plants \$2.00.

KEMP'S VIOLET WONDER—(ID rated 85). Violet color with undertone of Royal Purple lightening to a faint bluish violet at the tips of the petals. Roots \$2.50; plants \$1.25.

LILAC GLORY—(C). Soft violet rose, shaded silver; petals incurved, blooms early and continuously. Roots \$2.00; plants \$1.00.

MONMOUTH CHAMPION—(FD). Brilliant orange flame color, immense size. Popular prize winner. Roots \$3.00; plants \$1.50.

MARIAN BROMALL—(SC). An elegant flower of large size with strong wiry stem. Center petals are white, outer petals are of a mauve-pink shade. Roots \$1.00; plants 50c.

MARMION—(ID). One of the finest exhibition varieties with very large full flowers of splendid form. Color pure golden yellow with bronze suffusion on reverse of petals, having a deeper bronze tone in the center, good bloomer. Roots \$1.50; plants 75c.

MRS. I. De Ver WARNER—(FD). Vigorous grower on splendid stems; true to type; fine form, orchid lavender. Roots 25c.

OMAR KHAYYAM—(FD). One of the best exhibition varieties but equally valuable for garden and cut flower display. Color a rich Chinese red at the base of the petals shading to bright orange and tipped lighter. Plants \$2.50.

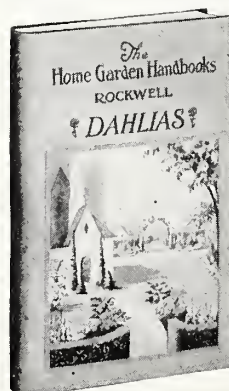
RUDY VALLEE—(SC rated 88). Chrome yellow centers, gradually shading to orange and reddish apricot. Large vigorous grower, one of the finest. Plants only \$5.00.

TREASURE ISLAND—(FD rated 88). Bright orange yellow with rose and gold shading. One of the autumn shade varieties. Roots \$2.50; plants \$1.25.

WATCHUNG SUNRISE—(FD). An artistic, huge flower combining a brilliant shade of gold with a subtle suffusion of pink. Truly glorious in every respect. Roots \$2.00; plants \$1.00.

PLEASE NOTE

We can also offer many of the older varieties, once leaders and still very beautiful. Roots 25c to 50c.



DAHLIAS, by F. F. Rockwell. Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers, grow for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations, 80 pages. \$1.00.

DAHLIA SEED

Very satisfactory results are obtained from seed planted early indoors and transplanted permanently in May or June. With proper care the plants will bloom the same year. (See page 12.)

GIANT FLOWERED CANNAS

CITY OF PORTLAND. 3½ ft. pink. Flowers of largest size. A glowing shade of pink. Foliage green. \$1.00 per dozen.

INDIANA. 6 ft. Very large flowers of a rich, golden orange color. 60c per dozen.

KING HUMBERT. 4 ft. Leaves are purple-brown over bronze. Crowned with immense heads of velvety orange-scarlet. 60c per dozen.

MRS. ALFRED F. CONARD. 4 ft. The grandest salmon-pink in existence. 60c per dozen.

PRESIDENT. 4 ft. The most wonderful green leaved, red flowered canna in cultivation. 75c per dozen.

YELLOW KING HUMBERT. 4 ft. Green leaves, golden-yellow flowers blotched red. \$1.00 per dozen.

IRIS GERMANICA

ALCAZAR. Standards, light bluish violet. Falls, deep purple, bronze veined at the throat. Its growth is robust with widely branching flower stalks, bearing large blooms of waxy texture; 4 feet tall.

JEAN D'ARC. A delicate sort of good size and form; white with edges partly checked and scapes heavily suffused in violet.

KING OF IRIS. The standards, a clear lemon color, falls, deep satiny-brown with a broad border of golden yellow.

MOTHER OF PEARL. Pale bluish lavender of exceptional substance and texture; 4 feet.

PARISENSIS. The fine blue standards harmonize well with the deeper blue falls. The flowers are large and are borne very early. The free blooming habit has made it a great favorite.

Any of the above Varieties. 15c each; \$1.50 doz.

JAPANESE IRIS

Perfectly hardy and excellent for naturalizing, coming into flower about the middle of June. They continue for five or six weeks at which time they are particularly welcome.

GOLD BOUND. A fine double pure white, enriched by a creamy glow from the gold banded center.

HERCULE. Double clear lilac blue.

UCHIO—Universe. Branchful six-petaled flowers of largest size on the longest stems. Color sky-blue with golden center and white. This variety covers the longest blooming season and is one of the most attractive.

KOKI-NO-IRO. (Purple and Gold.) Enormous double flowers often eight inches across, early and free blooming. Color rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.

MONIJI-NO-TAKI. Bright rose with deeper markings.

Any of the above varieties. 35c each; \$3.50 doz.



Hardy German Iris

HARDY OUTDOOR LILIES

AURATUM (Gold Banded Japanese Lily)

One of the most beautiful and popular varieties in cultivation. The very fragrant large flowers are ivory-white, spotted with crimson and marked with a clear gold band through the center of each petal. Auratum may be planted in the fall or spring and grows from 3 to 5 feet tall and begins blooming in July or early August.

Mammoth bulbs, 35c each; \$3.50 per dozen.

REGALE (Mynophyllum)

Coming from China, this extremely hardy, and yet excellent variety for forcing has rapidly become a favorite and is predicted to soon become the most popular Easter Lily. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. Delightfully fragrant, blooms outdoors in July; they grow 3 to 4 feet. 25c each; \$2.50 per dozen.

SPECIOSUM RUBRUM

Especially valuable as a cut flower, its heavy substance making it a good keeper. Flowers are white spotted with red. 35c each; \$3.50 per dozen.

TIGRINUM FLORA PLENO (The Double Tiger Lily)

Producing a great number of double orange-colored blooms, spotted with black, and grows from 4 to 6 feet in height. 25c each; \$2.50 per dozen.

TIGRINUM SPLENDENS (Single)

The most beautiful of the Tiger Lillies, orange-red spotted purple-black. Very hardy. Bears 8 to 20 blooms when well established. 25c each; \$2.50 per dozen.

AMARYLLIS**Giant American Hybrids**

The most desirable type of Amaryllis, especially beautiful and easily managed in the amateur's window or conservatory, produces from four to six gigantic blooms of perfect form. 35c each; \$3.50 per dozen.

TUBEROUS ROOTED BEGONIAS

Especially adapted to window or conservatory culture. We offer bulbs produced from the best seed strains, largest size 2 inches and up in diameter. Scarlet, pink, yellow. Single or double. 25c each; \$2.50 per dozen.

EXCELSIOR PEARL TUBEROSE

One of the most fragrant and most popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after the first of May. Extra large size bulbs, 5c each; 50c per dozen; \$3.00 per 100.

CALADIUM ESCULENTUM OR ELEPHANT'S EAR

Large bulbs, 3 to 4 inches in diameter. 15c each; \$1.50 per dozen; medium sized bulbs 10c each; \$1.00 per dozen. Add postage. Special price on quantities.

EVERGREENS

AMERICAN ARBORVITAE: (*Thuja Occidentalis*). A fast growing pyramidal tree with light green foliage. Very useful for hedging and screening as well as for ornamentation. 18 to 24 inch \$1.00; 2 to 3 feet \$2.00.

CHINESE ARBORVITAE: (*Biota Orientalis*). Grows tall and slender with dark green foliage. Useful in border planting also for formal gardens; rapid grower. 18 to 24 inch \$1.00; 2 to 3 feet \$2.00.

GLOBE ARBORVITAE: (*Thuja Occidentalis Globosa*). Very dwarf and compact; grows naturally into a rounded almost ball-like form. 18 to 24 inch \$2.50; 2 to 3 feet \$4.00.

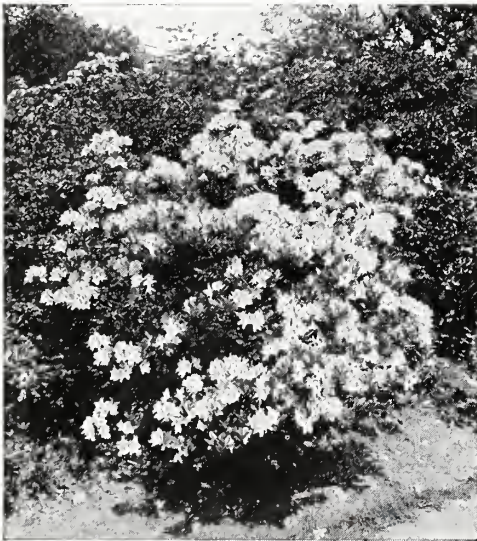
JUNIPER: (*Pyramidalis*). One of the finest and hardiest evergreens. Pyramidal in outline with silver-green scale-like foliage. It retains its dense habit and is very desirable. 2 to 2½ feet \$4.50; 2½ to 3 feet \$5.00.

JUNIPER: (*Pfitzeriana*). A beautiful new form with branches spreading nearly horizontally as broad as tall. Low growth foliage pleasing bluish-green. 18 to 24 inch \$3.50; 2 to 3 feet \$6.00.

RETINOSPORA: (*Obtusa Compacta*). Almost spherical in shape. Good green throughout winter. Very useful in foundation or formal work. 2 to 3 feet \$2.50.

RETINOSPORA: (*Pisifera*). Bright green pendulous branches loosely pyramidal, quick grower. 2 to 2½ feet \$2.50.

RETINOSPORA: (*Filifera Aurea*). Golden Thread Branched Cypress. Very bright conspicuous yellow. Grows more slowly than preceding. 15 to 18 inch \$4.00.



Azalea

RHODODENDRONS

Considered by many the most beautiful of all hardy evergreen shrubs. Their massive stately growth and long glossy evergreen leaves make them attractive throughout the entire year. During the flowering period in early summer, however, they are wonderfully elegant and charming. Like Azaleas they require sour soil, partial shade and plenty of water. They can be placed to advantage on the north side of buildings. Many hybrids have been introduced, but none can surpass the original beauty of our native American varieties. We offer Mountain Grown hardy stock, balled and burlaped.

CAROLINIANUM—(*Carolina Rhododendrons*). Grows 4 to 6 ft. tall, blooms profusely, very early, pale to deep pink. Recommend for exposed situations. 9 to 12 in. heavy clumps B. & B. \$1.85 each.

CATAWBIENSE. The most showy Rhododendron, grows 4 to 6 ft.; hardy, vigorous and free-flowering, producing a gorgeous display of lilac purple blooms in May and June. 9 to 12 in. heavy transplanted clumps B. & B. \$1.85 each.

MAXIMUM. The Great Laurel of the Mountain, attains a height and width of 10 ft. Flowers white to pale pink blooms in June and July. Most beautiful foliage of all Rhododendrons. Very suitable for bold mass plantings. 9 to 12 in. transplanted clumps. B. & B. \$1.65 each.

SPECIAL

5 Rhododendrons (any variety) \$7.50.



Foundation Planting makes Lawn part of Home

TAXUS: (*Cuspidata*). Spreading Japanese Yew. Rich, deep, broad green leaves. Spreading, bushy habit. Valuable in foundation plantings. Exceptionally hardy. 15 to 18 inch \$3.50; 18 to 24 inch \$4.50.

TAXUS: (*Brevifolia*). Dwarf Japanese Yew. Broad, thick leaves, blackish green. Slow growing and irregular, spreading habit. Exceptionally hardy. 15 to 18 inch \$4.50.

AZALEAS

These beautiful and popular evergreens are particularly attractive for woodland edges, or shaded spots on lawns. They thrive only in acid soil but their beauty and usefulness justifies the little extra effort of applying aluminum sulphate and humus.

ARBORESCENS. Broad, dense plant; flowers white, pink outside, 9 to 12 in. clumps \$1.25 each.

AMONEA. Late flowering rosy-crimson, 8 to 10 in. heavy, \$1.25 each.

CALENDULACCA—(*Flame Azalea*). The most showy Azalea; bears flame-red or orange-yellow flowers before the leaves appear, 9 to 15 in. clumps \$1.50 each.

HINODEGIRI. Beautiful brilliant red, 8 to 10 in. heavy \$1.50 each.

MOLLIS—(*Chinese Azalea*). Thrives in sunny positions, bearing masses of flowers in various shades of red, yellow and orange, 18 to 24 in. \$4.50 each.

NUDIFLORA—(*Pinxter Bloom*). Handsome, early, free flowering, deep pink species, 6 to 12 in. clumps \$1.00 each.

SPECIAL

AMONEA AND HINODEGIRI; 2½ in. pots, \$2.75 per dozen.



Rhododendron

HARDY SHRUBS

35c Each. Except where noted.

ALMOND

Pink Flowering. Double rose-colored flowers in great profusion early in the spring.

ALTHEA

(Rose of Sharon). A very useful shrub, with large, single or double flowers that appear in great profusion in late summer, a time when flowering shrubs are scarce.

CALYCANTHUS FLORIDUS

(Sweet Shrub). Chocolate colored, double flowers, pineapple-scented, fine and glossy foliage. Blooms in June.

CORNUS

FLORIDA RUBRA: (Red-Flowering Dogwood). A rare variety, the flowers of which are rich rosy red. The two varieties make a fine contrast. 2½ ft. \$1.75 B. & B.

DEUTZIA

GRACILIS: (Slender Deutzia). A small shrub with slender, often arching branches, covered with clouds of pure white flowers in graceful nodding racemes. Good for edging borders.

FORSYTHIA

FORTUNEI: (Golden Bell). One of the very earliest shrubs to bloom and unsurpassed in splendor and brilliancy by other spring flowering varieties. The tall, arching branches are covered with golden yellow blooms in April. Good as single specimens or as a hedge.



Wigelia-Rosea

HYDRANGEA

PANICULATA GRANDIFLORA. The flowers, borne in dense pyramidal panicles, are white when they first open but gradually change to rose color, and remain in good condition for weeks.

TREE FORM. A very desirable form of Hydrangea, the branches starting out 3 feet from the ground. Fine for specimens or background.

JAPANESE QUINCE

Covered in early spring with cherry-red flowers. One of the best shrubs of an attractive appearance.

FRUIT TREES

5 to 6 feet 75c each, \$7.50 dozen.

Except where noted.

APPLE,	Baldwin	Staymen's Winesap
	Delicious	York Imperial
	Grimes Golden	

CRABAPPLE, Transcendant

PEAR,	Bartlett	Seckel
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PEACH,	Elberta	Hale
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CHERRY, 4 to 5 ft. \$1.25 each.	
Black Tartarian	Napoleon

Sour Cherries, Montmorency

GRAPE VINES, 2-year-old, 25c each; \$2.50 dozen.

Concord	Niagara
Catawba	Delaware



Spirea—Van Houttei

LILAC

PURPLE: (Syringa Vulgaris). **WHITE:** (Syringa Alba.)

PHILADELPHUS

VIRGINALE: (Mock Orange). Flowers are snowy-white, large, crested, fragrant, and come in great quantities. Blooms throughout the season.

SPIREA

ANTHONY WATERER. A perpetual bloomer of dwarf habit, flowering profusely when small. Flowers of a lovely dark crimson-red, borne in dense clusters, and have a peculiar feathery appearance.

VAN HOUTTEI. One of the most beautiful spring-blooming shrubs. The arching branches bend to the ground under the immense number of blossoms, making a complete fountain of small white flowers. Beautiful ornament for the lawn at any season.

VIBURNUM

PLICATUM: (Japanese Snowball). A desirable variety bearing an abundance of ball-shaped white flowers, in May. One of the most popular hardy shrubs, having highly ornamental foliage, with purple autumn coloring.

PRIDE OF ROCHESTER. Vigorous flowers, borne in large panicles, are pinkish white, with under-side of petals, rose. June.

WEIGELIA

ROSEA. A strong symmetrical grower. An attractive shrub with spreading branches covered with beautiful dark green foliage and a wealth of trumpet-shaped, slightly fragrant, rose-colored flowers. June.

HEDGE PLANTS

BARBERRY

THUNBERGI. Popular for mixing in the shrubbery border, as single specimens, or for planting in clumps on the lawn, as well as for foundation plantings and for hedges. 12 to 18 inch \$12.00 per 100; 18 to 24 inch \$18.00 per 100.



Hedge of Barberry Thunbergi

DUSTING AND SPRAYING MATERIALS

ANTROL DESTROYS ANTS IN THEIR NESTS

New Method "Gets" Them at Their Source—Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden, composed of small glass containers and a special formula of syrup. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

Prices—Antrol sets containing 4 containers and 1 4-ounce bottle of syrup, 95c.; Antrol extra containers (each), 15c.; Antrol syrup, 4-ounce bottles, 45c.; pints, 95c.

ARSENATE OF LEAD

For destroying leaf-eating insects, not harmful to the foliage, greatly adhesive. Powdered arsenate of lead is more economical than other forms.

Prices—Powder, 1 lb., 25c.; 4 lbs., 75c.; 100 lbs., \$14.00.



ARSENITE OF ZINC

Kills quicker than Arsenate of Lead, adhesive and less liable to burn foliage than Paris Green. Excellent for potatoes. Lb., 25c.; 4 lbs., 75c.; 100 lbs., \$18.00.

BLACK LEAF 40

A highly concentrated solution of Nicotine Sulphate, easily soluble in cold water. It is highly recommended by Experiment Stations and Spraying experts, for use against aphids and other sucking insects. Full directions on each package. 1 oz. bottle, 35c.; ½-lb. tin, \$1.25; 2 lbs., \$3.25; 10 lbs., \$11.85.



BORDEAUX

(12½ Per Cent Metallic Copper)

Use 8 pounds to 50 gallons of water.

For preventing many fungus growths, blights, etc. May be either sprayed or dusted. Powder, 1 lb., 20c.; 4 lbs., 70c.; 100 lbs., \$13.00.



BORDEAUX-ARSENATE OF LEAD

3 to 7 pounds to 50 gallons of water.

To kill leaf-eating insects and control fungous diseases; a double purpose spray in one application. Lb., 40c.; 4 lbs., \$1.00; 24 lbs., \$5.25.



CORONA COPPERCARB

Grow clean wheat free from bunt or stinking smut and receive top prices for your crop. Corona Coppercarb is a dust recommended by experimental stations to be applied dry to seed wheat any time before sowing. Use 2½ to 3 ounces per bushel of wheat. 5 lbs., \$1.00.

CARBON DI-SULPHIDE

Specified by U. S. Dept. of Agriculture for treatment of soils to destroy grubs of the Japanese Beetle.

Also used for control of insects in grain. Lb., 35c.; 5 lbs., \$1.25; 100 lbs., \$11.00. Plus deposit on Drum.

Bean Beetle Dust and Sprays

BARIUM FLUOSILICATE

Highly recommended by the University of Tennessee Experimental Station. Practically non-poisonous, can be either sprayed or dusted.

For Spraying 1 pound to 50 gallons. For Dusting 6 pounds per acre. 1 lb. 25c.; 100-lb. drum \$20.00.

SODIUM FLUOSILICATE DUST MIXTURE

Used as dust only, very effective, considered non-poisonous as an insecticide. Apply 12 pounds per acre. 100-lb. drum \$9.00.

DOW'S MAGNESIUM ARSENATE Magnesium Arsenate (pure) 2-lb. pkg., 50c.; 100-lb. drum, \$22.00.

Magnesium Arsenate Dust Mixture, 4-lb. pkg., 60c.; 100-lb. drum, \$12.00. 20-20-60 Dust, \$7.00 per 100 lbs.

KAY-SO

A combined adhesive and spreader, making spray materials more economical and effective, inexpensive. Use 1 pound to each 100 gallons of spray. 2-lb. pkg., 40c.; 10-lb. pkg., \$1.85.

CARBOLA

Is a white paint and a powerful disinfectant combined in powder form. Just mix it with water and it's ready to be applied with spray pump or brush.

Carbola applied to the walls, ceilings, partitions, nests, etc., of your poultry houses will help to prevent contagious diseases among your flock. It will aid in keeping your fowls free from profit-destroying ravages of lice and mites. 5 lbs., 75c.; 10 lbs., \$1.25; 50 lbs., \$5.00.

EVERGREEN



Kills plant pests, including even cutworms. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. Neither will it injure the soil. Harmless to man, livestock, birds and pets.

1-oz. bottles, 35c.; 6-oz. bottles, \$1.00; 16-oz. bottles, \$2.00; 32-oz. bottles, \$3.50; 1-gal. bottles, \$8.63; 5-gal. bottles, \$38.75.

FUNGITROGEN

An effective and scientific preventive and remedy for mildew, black spot and many fungus diseases of Roses and other plants. Dilute one part to 60 parts water. ½ pt., 75c.; pint, \$1.25.



SEED DISINFECTANTS



These effective seed disinfectants are sold by the Bayer-Semesan Company, a consolidation of E. I. du Pont de Nemours & Company, Inc., and The Bayer Company, Inc. They comprise the following products:

SEMESAN. May be used as a dust or liquid to treat vegetable and flower seeds and bulbs. Prevents and controls a large number of seed-borne diseases. Remarkably effective against damping-off. Especially useful in protecting against Gladiolus diseases, black spot and mildew of roses. Costs only ¼ to 1c per pound of seed. 2 oz., 50c.; 8 oz., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00.

Treat Your Seeds Before Planting.

CYANOGAS



A—To kill ants, rats, moles, fleas, bed bugs, moths, bats, grape mealy bugs, melon Aphids. ½-lb. tin, 45c.; 1 lb., 75c.; 5 lbs., \$3.00.

G—For greenhouse, bulb, grain, soil, household, warehouse fumigations. 5 lbs., \$3.00; 25 lbs., \$10.00.

FORMALDEHYDE

Extensively used in the preparation of potatoes for seed, as a preventative against potato scab and to destroy other germs on the seed. Will also control some forms of grain smut. For potatoes a solution of 1 pint to 15 or 20 gallons of water is made and cut pieces are soaked for 2 hours. One to two gallons of this will be sufficient for 1 bushel of seed. Pt., 45c.

LEMON OIL

Soluble in water; will destroy Aphids, Rust, Scale, and Bugs on Palms, Ferns, Rose Bushes, etc. Highly recommended as a wash for dogs and other animals, destroying lice and relieving mange. ½ pt., 35c.; 1 pt., 60c.; 1 qt., \$1.00.

LIME AND SULPHUR SOLUTION

The popular spray material for dormant spraying against scale and as a Summer spray against certain fungus diseases.

1 qt., 45c.; 1 gal., 80c.; 5 gal., \$3.25; 50 gal., 14c per gal.

DRY LIME AND SULPHUR

Dormant Season: 12 lbs. to 50 gallons. Growing Season: 3 lbs. to 50 gallons.

Just as effective as liquid but more economical because of the absence of water. Dissolves readily in cold water and complies with Government specifications. 1 lb., 30c.; 5 lbs., \$1.25; 12½ lbs., \$1.50; 100 lbs., \$10.00.



DUSTING AND SPRAYING MATERIALS (Continued)

NICO-FUMELIQUID

Very powerful tobacco extract. Soluble in water. Guaranteed 40 per cent nicotine.

¼-lb. tin, 75c; 1-lb. tin, \$2.00; 4 lbs., \$5.85; 8 lbs., \$10.85.

NICO-FUME

This is the strongest tobacco paper on the market. Does not injure blooms and furnishes the easiest method of fumigation ever devised.

Tin box of 24 sheets, \$1.25; 144 sheets, \$4.75; 288 sheets, \$8.25.

NICOTINE DUST

Extremely valuable for combating pea lice, aphids, etc.

100-lb. drum, \$16.00.

PARIS GREEN

A poisonous, insoluble powder similar to arsenic in its effects; used extensively against potato bugs, worms and caterpillars, etc.

¼ lb., 15c; 1 lb., 45c; 5 lbs., \$2.00.

PURE PARA-DICHLOROBENZENE

For Peach Borer Control

Very powerful and effective remedy just coming into general use as a result of the experiments of the Department of Entomology. Should be applied September 1st to October 10th, according to latitude. Some growers prefer to make two applications, the first being in the month of June. One pound is sufficient for 10 to 30 trees, according to size. It is not advisable to treat trees under 4 years of age with Para-Dichlorobenzene, and apple trees should never be treated.

1 lb., 50c; 5 lbs., per lb., 40c; 10 lbs., per lb., 30c; 25 lbs., per lb., 28c; 100 lbs., per lb., 25c.

Pyrox

Kills Insects—Prevents Fungus and Diseases

1 lb.	.....	\$ .50
5 lb.	.....	1.75
10 lb.	.....	3.00
25 lb.	.....	6.25
50 lb.	.....	10.75
100 lb.	.....	15.50
300 lb.	.....	43.50

NICOTINE PYROX

Combined spray for sucking and leaf eating insects.

10-oz. Jar, 50c; 40-oz. Can, \$1.50.



Dust with Pomo-Green

A complete dust that will control black-spot, mildew, and insects on roses and all flowers in general.

1 lb., 50c; 5 lbs., \$1.75.

With Nicotine—1 lb., 75c; 5 lbs., \$3.00.

GRAPE DUST

A readily diffusible, light weight powder fungicide, very efficient in destroying mildews and preventing blights. 5 lbs., 70c.

RED ARROW



Economical and efficient contact spray, non-poisonous, will not injure blossoms, foliage of fruit; positive death to all types of insects. Poison sprays only kill if eaten, while Red Arrow Pyrethrum Spray kills every insect it strikes.

1 oz., making 4 to 6 gal.	.....	\$ .35
¼ pt., making 17 to 25 gal.	.....	1.00
½ pt., making 35 to 50 gal.	.....	1.75
1 pt., making 70 to 150 gal.	.....	3.25
1 qt., making 140 to 200 gal.	.....	6.00
1 gal., making 560 to 800 gal.	.....	20.00

FISH OIL SOAP

Keeps trees, plants and vines clean and healthy, effectively controlling sucking insects and many forms of scale. Price, 1 lb., 30c; 5 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$8.50.

SLUG SHOT

(Hammond's.) Guaranteed to destroy potato bugs, cabbage worms, lice, fleas, beetles, striped bugs, etc., on currants, egg plants, melons, turnips, beets, etc.; canker worms and caterpillars on fruit and ornamental trees.

1-lb. sifter, 15c; 5-lb. pkg., 45c; 100 lbs., \$8.50.

SULPHUR

Commercial Flour of Sulphur. 1 lb., 6c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.00.

Superfine Dusting Sulphur. 1 lb., 10c; 10 lbs., 70c; 25 lbs., \$1.25; 100 lbs., \$4.25.

TOBACCO DUST

Excellent insecticide and fertilizer combined, extensively used against black and green aphids, fleas, beetles, etc. Finely powdered and high in nicotine content.

1 lb., 10c; 10 lbs., 50c; 100 lbs., \$3.00; ton, \$50.00.

TOBACCO STEMS

(Black Leaf Ground), valuable as fertilizer and humus—10 lbs., 25c; 100 lbs., \$1.50; ton, \$20.00.

STRAWBERRY DUST

85-15 Mixture successfully used for many years. 1 lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.25; 100 lbs., \$7.00.

TREE TANGLEFOOT

Applied directly to the bark of trees, protecting them from climbing insect pests. Easily applied and will remain sticky for three months fully exposed to the weather.

1-lb. can, 60c; 5-lb. can, \$2.75; 10-lb. can, \$5.25.

SULFOCID

Sulfocide is a highly concentrated non-poisonous liquid sulfur fungicide—entirely distinct from lime-sulphur.

Prices—Pt., 70c; qt., \$1.00; gal., \$2.75; 5 gals., \$8.75; 10 gals., \$15.00; 30 gals., \$39.00; 50 gals., \$60.00.

SCALECIDE

Prices—Qt., 70c; gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00; 15 gals., \$11.50 (plus \$2.00 deposit on drum); 30 gal., \$20.00 (plus \$2.50 deposit on drum); 50 gals., \$25.00 (plus \$3.00 deposit on drum).

WILSONS O. K. PLANT SPRAY

WHY BUGS LEAVE HOME



For aphids, thrip, mealy bugs, scale, rose bugs, and other insects. ½ pt., 40c; qt., \$1.00; gal., \$3.00.

VOLCK

For Safe and Sane Control of Nursery, Garden, and Greenhouse Insects



VOLCK is one of the most powerful insecticides known. Even mildews and rusts are prevented and stopped by VOLCK. Not only does VOLCK give effective control of pests, but it also prevents reinfestation for a considerable period; is odorless, colorless and non-poisonous.

Volck Does Not Burn the most tender foliage. Coleus, cyclamen, evergreens, ferns, orchids and many other types of plants can be sprayed with safety.

Prices—½-pint cans, 35c; 1-quart cans, \$1.00; 1-gallon cans, \$3.00; 5-gallon cans, \$12.00.

FAIRMOUNT

The Original Weed Killer



The Standard since 1892. Positively destroys any kind of weed and vegetation wherever applied. One gallon Fairmount Weed Killer makes 50 gallons of treating liquid, sufficient to effectively cover 100 to 150 square yards. Just the thing for driveways, tennis courts, baseball diamonds and walks where weeds are not wanted. Will not injure or discolor marble, gravel or stone—but makes them clean and bright. Fairmount Weed Killer acts by destroying seeds, germs and roots of plants.

Qt., 70c; ½-gal. can, \$1.00; 1-gal. can, \$1.75; 5-gal. can, \$7.25; 30-gal. drum, \$33.00.

SPRAYERS

THE "MISTY" SINGLE ACTION



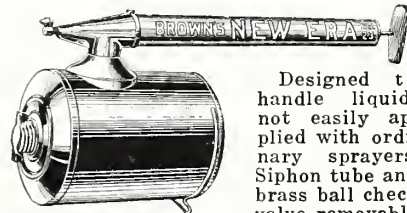
A low-cost sprayer, made of heavy tin for general purposes; holds one quart.

Misty \$.45
Rapid55
Midget, 1-pint size. .30

GLASS JAR SPRAYER

Holds one quart; has long, powerful pump; two discharge tubes, which send the spray over a wide area. Price, 75c.

NEW ERA No. 23C

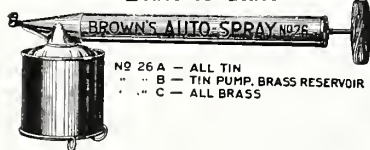


Designed to handle liquids not easily applied with ordinary sprayers. Siphon tube and brass ball check valve removable

for cleaning. A steady spray of great volume can be maintained with very little effort. 1 gallon capacity.

All Brass—Cheaper when long life is considered. \$3.25

AUTO SPRAY No. 26C and 26AG Brass or Glass

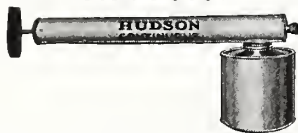


No. 26A — ALL TIN
" " B — TIN PUMP, BRASS RESERVOIR
" " C — ALL BRASS

This continuous atomizer will spray insecticides in a continuous fog of great volume. Unequaled for small garden and house plant sprays.

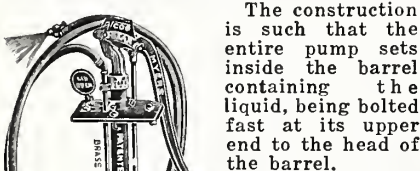
Glass, \$1.15; Brass, \$1.60; Ace, glass continuous, 75c.

CONTINUOUS



Heavy tin, fitted with cupped plunger leathers; all working parts brass. Tank heavy tin; capacity 1 quart. Price, 75c.

COG-GEAR BARREL SPRAY PUMP



The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the head of the barrel.

Has bronze ball valves and brass seats. The air chamber is 32 inches in length, enabling the pump to throw a uniform, constant and elastic spray.

It has good leverage, is very powerful and easily

operated. Complete with 15 feet of 1/2-inch, 5-ply hose, Vermorel or Bordeaux nozzle and agitators. Price, No. R305B, \$15.00. No. R318B (illustrated), \$16.00. No. R308B, \$28.00.

PERFECTION



This is the most powerful machine in its class. The barrel is 7 1/2 inches in diameter and 20 inches high. The pump is 1 3/4 seamless brass tubing. The valves are metal and work automatically from 8 to 15 minutes, and may be recharged in 12 seconds. Galvanized Steel, \$6.75; Brass, \$10.50.

HUDSON JUNIOR SPRAYER



Capacity about 2 1/2 gallons. Shipping weight 8 pounds. No. 140G, Junior with galvanized tank, \$5.00. No. 140B, Junior with brass tank, \$7.75.

HUDSON ECONOMY SPRAYER

The Economy sprayer meets the demand for large capacity at a minimum cost. (No. 125.) Capacity 3 1/4 gallons. With galvanized tank. \$5.00.

"KANT KLOG" COMPRESSED AIR SPRAYER

Galvanized Tank, \$6.00; Brass Tank, \$9.00.



LITTLE GIANT AND PEERLESS BUCKET SPRAY PUMPS

Made entirely of brass, malleable footrest, provided with large air chamber and throws a continuous spray. Price, with 4 ft. 1/2-inch hose and two nozzles, \$4.50.

PERFECT LEVER BUCKET SPRAY PUMP

The air chamber is 50 per cent larger than the Little Giant Sprayer. Price, complete with agitator, hose and nozzle, \$6.00. 8-foot extension pipe, 50c.

AUTO SPRAY No. 9



Tank of heavy, best quality sheet brass or strong copper bearing galvanized sheet steel. Air Pump of one-piece seamless brass with new all-metal brass ball check valve. Capacity 3 1/2 gallons.

Brass, \$9.75; Galvanized, \$6.65.

AUTO SPRAY No. 50



Capacity 2 1/2 gallons. Brass, \$8.65; Galvanized, \$5.70.

No. 28 LIGHTNING WHITEWASH BUCKET SPRAYER

Price, \$2.25

JUNIOR No. 5 BUCKET SPRAYER

Does away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc.

This Pump requires no fastening of any kind, holds itself down and works anywhere and everywhere.

Will pump from a pail, barrel, tank, spring or creek. Weighs only 4 pounds and is ready for instant use everywhere.

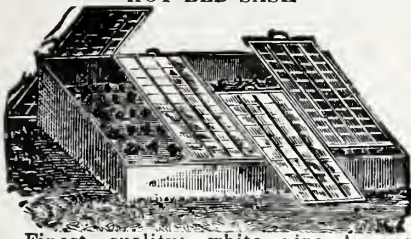
Price, \$4.45.

JAPANESE BEETLE TRAPS

Nesco Brand. Fit any pint jar, attractive green color. Price each with Bait, 35c.

SPEEDEX

Very practical for general garden purposes. Galvanized tank of 1/2 gallon capacity, brass pump cylinder, with extra angle-outlet nozzle. Price, \$1.75.

HOT BED SASH

Finest quality; white pine lumber, free from knots, substantially made, grooved for glass to lap or for putty (unglazed). \$1.75 each; 10, \$16.50.

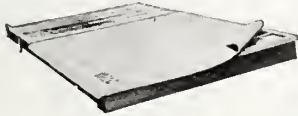
HOT BED GLASS

1 box of glass will glaze 3 sash, 8x10 and 10x12. \$2.15 per box.

HOT BED MATS

Burlap. Made of strong burlap interlined with wool.

Size, 40x76 inches, each..... \$1.50
Size, 76x76 inches, each..... 2.60

MILO WATERPROOF HOT BED MATS

Made from heavy weight burlap, absorbent pulp and felt cemented together with a specially prepared waterproof compound. This combination forms a covering both airtight and waterproof. Easy to handle. Wear for years. Milo mats are made in sizes 40x78 inches and 78x80 inches, also in continuous lengths. 40x78 inch, \$1.50 each; 78x80 inch, \$3.00 each.

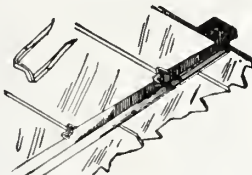
MARLINE

Made from Indian Hemp and the best product in making Straw Mats. Furnished in 1 and 5-pound balls. Per pound, 25c.

PEERLESS GLAZING POINTS

These will positively keep the glass from sliding and are interchangeable, right or left. The use of a special pincers is recommended.

Price, per box of 1,000, 65c. Pincers, per pair, 70c; by mail, 75c.

**PUTTY BULBS**

A very useful tool for applying liquid Putty and Mastic for glazing Sash or Greenhouses. Large size, \$1.35.

**MASTICA**

For glazing greenhouses, sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold. Price, 1 gal., \$2.50.

MASTICA GLAZING MACHINE

Price, \$2.25.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY

Semi-Liquid

For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses or hotbeds.

16-pound can (1 gallon capacity), \$2.75.

**GALVANIZED WATERING POTS
"WIDE SPOUTS"**

Made of heavy galvanized iron, with removable Sprinkler.

4 qt. 6 qt. 8 qt. 10 qt. 12 qt. 16 qt.
\$.60 \$.70 \$.75 \$.85 \$ 1.05 \$ 1.25

HOSE NOZZLES

Mystic Spray Nozzle..... \$.60
Justrite Spray Nozzle..... .75

WOODEN LABELS

	Painted	Plain
4 inch pot, per 1,000.....	\$2.00	\$1.60
4½ inch pot, per 1,000.....	2.10	1.70
5 inch pot, per 1,000.....	2.20	1.80
6 inch pot, per 1,000.....	2.50	2.00
12 inch pot, per 100.....	.75	
3½ inch Tree, iron wired....	2.20	1.70
3½ inch Tree Copper Wire....	2.40	1.90
8 inch Garden, per 1,000....	6.50	
10 inch Garden, per 1,000....	8.00	
12 inch Garden, per 1,000....	11.00	

Prices, per 100—3½ to 6 in., 35c; 8 in., \$1.00; 10 in., \$1.25; 12 in., \$1.75.

HARDWOOD FAN TRELLIS

Very durable and artistically made; will not scorch the most tender plant, and is far superior to any metal trellis.

30 in. x 13 in. \$.60 6 ft. x 38 in. \$2.10
36 in. x 16 in. .95 7 ft. x 42 in. 2.50
4 ft. x 27 in. 1.50 8 ft. x 46 in. 2.95
5 ft. x 32 in. 1.80 10 ft. x 72 in. 3.80

FLOWER POTS

We carry a complete line of Regular Pots, Azalea Pots, Bulb Pans and Saucers in stock and quote as follows: Saucer

Size	Each	Dozen	100	1,000	Each
2 in..	.02	\$.15	\$1.10	\$9.25	..
2½ in..	.03	.20	1.40	12.25	..
3 in..	.03	.25	1.75	15.50	..
4 in..	.05	.45	3.25	25.00	\$.03
5 in..	.07	.70	5.00	..	.05
6 in..	.10	1.00	7.25	..	.06
7 in..	.15	1.50	12.00	..	.08
8 in..	.25	2.50	16.75	..	.11
9 in..	.35	3.50	24.00	..	.15
10 in..	.45	4.50	32.00	..	.18
11 in..	.65	6.50	50.00	..	.22
12 in..	.75	7.50	64.00	..	.25

NEPONSET FLOWER POTS

Made of waterproof paper, extensively used for starting seeds and seedlings in frames and hot houses.

	Per doz.	Per 100	Per 1,000
2½ in....	\$.08	\$.50	\$3.75
3 in....	.15	.70	5.75
3½ in....	.20	.85	7.25
4 in....	.25	1.15	9.00

**CEDAR PLANT TUBS**

(Richmond Style)
Made of Selected Virginia White Cedar, bound with electric welded hoops, painted green.

No.	Inside Top Dia.	Bot. Dia.	Depth	Price
5	10	7½	9	\$.60
7	12	9	11	.90
9	14	11	13	1.25
11	16	12½	15	1.60
13	18	14½	17	2.25

PLANT BANDS

The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands, because they are ready to use and no time is lost in setting them up.

Size	Depth	Per 5,000	Per 1,000	Per 250
2x2 in.	2½ in.	\$13.80	\$4.30	\$1.50
3x3 in.	3 in.	20.20	6.10	2.00

BANDS WITH FOLDING BOTTOMS
2x2 in. 2½ in. \$16.45 \$4.80 \$1.75

MODERN NO-FOLD DIRT BANDS
2x2x2 —1,000 \$2.00; 5,000 \$8.00
2x2x2½ —1,000 3.00; 5,000 9.00
3x3x3 —1,000 4.00; 5,000 15.00

BAMBOO PLANT STAKES
3 ft. Light \$.85 per 100 \$6.00 per 1,000
5 ft. Heavy .75 per doz. 5.00 per 100
6 ft. Heavy 1.00 per doz. 7.00 per 100

PERFECTO FLOWER BOX

The Perfecto Flower Box is recognized by scientific gardeners and florists as the correct idea in construction for growing house plants and porch plants. The problem is solved by means of the patented self-irrigating and air-circulating system.

The Perfecto is an ornament in good taste for any home and is constructed with this purpose in view. The finish is enamel, in either of three colors—Green, Old Ivory or Red. They measure 6 inches deep and 7 inches wide.

	20 in.	26 in.	32 in.	38 in.	44 in.
	\$.90	\$1.25	\$1.50	\$2.00	\$2.25

GALVANIZED HARD STEEL WIRE PLANT STAKES

Very durable, neat and strong, and extensively used for carnation and rose beds. No. 8 gauge.

Height	Doz.	100	1,000
3 ft.....	\$.20	\$1.20	\$10.85
3½ ft.....	.25	1.40	12.65
4 ft.....	.30	1.60	14.45
5 ft.....	.35	2.00	18.00

DIBBLES



Decidedly the best tool for transferring plants.

All steel, D-handle.....	\$.80
All steel, bent handle.....	.60
Wood bent handle, steel point.....	.65
Steel points for same.....	.35

HAND GARDEN FORKS

No. 2. 11 inches long, hardwood handle, 3 tines, Japanned. Price, 40c.	
No. 3. 10 inches long, hardwood handle, 4 tines, Japanned. Price, 30c.	

ASPARAGUS KNIFE



Made of solid steel; see the cutting point. Price, 45c.

ASPARAGUS BUNCHER.....\$4.00

GARDEN TROWELS



	Each
6-in. Steel Blade, Malleable Shank....	\$.15
6-in. Extra Strong, Hollow Back....	.35
6-in. Solid Steel, Bronzed and Polished .....	.50
6-in. American Solid Steel, Hollow Back, finely finished.....	.50
5-in. Solid Steel, Forged Shank....	.60
6-in. Florists' favorite, solid steel forged, Shank and Blade one piece	.75

TRANSPLANTING TROWELS

No. 2, 5-inch blade.....	\$.20
No. 1, 8-inch blade.....	.25

EVERLAST ALL STEEL GARDEN TOOLS



The one piece construction and quality of steel make them practically unbreakable. Trowel, transplanting trowel, weeder, and cultivator, made of heavy steel, enameled. Each tool guaranteed. Set of 4 pieces, 75c.

THERMOMETERS

	Price
8-inch, Tin Japanned.....	\$.50
10-inch, Hardwood Cabinet.....	.60
12-inch, Tin, Japanned, Hot-Water Reg.	1.00
Mushroom Bed and Hot Bed, Brass Point	2.00

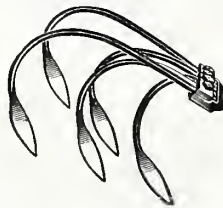
AMERICAN EDGING KNIVES
All Steel. Price, \$1.00.

PRUNING SAW



16-inch	\$1.20
18-inch	1.50
20-inch	1.75

NORCROSS CULTIVATOR



The Norcross is an adjustable garden cultivator of 5 blades. A very handy garden tool. By removing the center tooth you can straddle the rows. The teeth can be made to set close or wide apart. Can be detached from handle and attached to any wheel hoe.

Price, \$1.00.

MIDGET NORCROSS

3-prong, short handle.....	Price, 50c
3-prong, long handle.....	Price, 85c

MAGIC WEEDER



A perfect and efficient tool, made of best tempered steel and furnished with 6 and 18-inch handle. Price, 15c and 20c.

GRAFTING WAX

Trowbridge Brand.
Price, ¼ lb., 15c; lb., 50c.

FRUIT PICKER

Made of galvanized hard-steel wire, shaped so as to imitate the human hand. Without pole. Price, 50c.

"U.S." MOLDED
GARDEN HOSE

MOGUL BRAND—Double braid, finest quality; 5/8 inch. 10c ft.; 50 ft. lengths with couplings, \$4.50 each.

COMPETITION BRAND—Single braid, 5/8 inch. 25 ft. lengths, \$1.75 each.

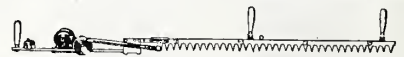
REMNANTS—Various lengths, coupled; sizes ½, ¾, 1 inch. 6c per foot.

LOPPING SHEARS



No. 6 Forged blade and ferrule....	\$1.75
No. 4 Handy Andy (9-in. handles)..	1.75
No. 3 American Draw Cut (22-in. handles)	2.75

"LITTLE WONDER" HEDGE TRIMMER



New Model N, Electric
Makes cut 36 inches wide. ONE MAN Machine. Will easily trim 300 to 500 lineal feet per hour. Cuts costs to a minimum. Saves untold hard labor. Write for descriptive circular.



	Prices	Hand	Elec-
		Driven	tric
30-in.	\$25.00	\$103.00	
40-in.	27.50	106.50	
60-in.	35.00	114.00	
25-in.	....	65.00	

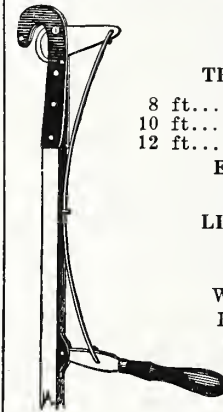
WATERS'
IMPROVED
TREE PRUNER

8 ft.....	\$2.00
10 ft.....	2.20
12 ft.....	2.40

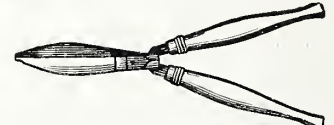
Extra Knives,
25c each.

LITTLE GIANT
PRUNING
HOOKS

Without pole.
Extra heavy.
\$2.00 each.



HEDGE SHEARS



American Disston	English
6 in.....\$1.35	6 in.....\$2.15
8 in.....1.75	8 in.....2.45
9 in.....1.90	9 in.....2.75
10 in.....2.00	10 in.....3.15
12 in.....2.50	12 in.....4.75

THE RODERICK MOLE
TRAP

Self-setting by pressing down on lever. Very convenient feature, found on no other trap. Made from best spring steel, thoroughly galvanized. Simple and durable in its construction.

Price, 85c.

OUT-O'-SIGHT MOLE TRAP

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass in hot beds. Price, \$1.25.

PRUNING SHEARS



	Each
No. 0 Pexto—Wire Spring; 8 in..	\$.50
No. 140 Pexto—Rose Shear; 6 in...	.60
No. 37 Tempered blades, polished;	
Black handles; 9 in.....	.75
No. 41 Best steel, full polish; 9 in.	1.25
No. 44 Nickel plated German Shear,	
best steel; 6 in.....	1.35
No. 39 Same as No. 41 but with	
ratchet nut; 9 in.....	1.50
No. 100 Pexto—French style; 8 in..	2.00
Pexto—Extra heavy full	
polished; 9 in.....	2.25

National Eezy Wear Garden Gloves



Keep your hands well groomed with these pliable, all leather, long wearing dirt-proof gloves. Perfect protection with almost bare hand freedom, for men and women who like to garden and work about the home.

Made from select, imported leather, specially processed to render them amazingly soft and pliable as well as durable. At indoor tasks, like dusting, polishing, or digging, pruning, weeding in the garden and working on the car you can use your hands and handle objects without the slightest awkwardness. These gloves fit your hands. Soft as kid. Medium and large sizes for both men and women. 75c per pair, 2 pairs for \$1.40.

MANURE FORKS (Meadow Monarch)

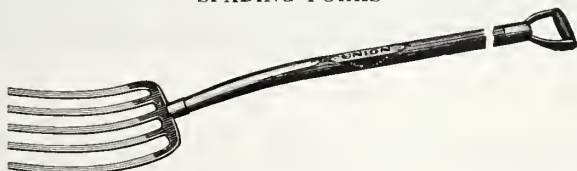


13-inch tines, 4½-foot handle, strap ferrule. 4 tines, \$1.15; 5 tines, \$1.30; 6 tines, \$1.50. Malleable D-Handles same prices as above.

HAY FORKS (Meadow Monarch)

Three 12-inch tines, 6-foot straight handle, Strap Ferrule. Price, \$1.15.

SPADING FORKS



Meadow Monarch—Heavy, five 11-inch tines, D-Handle, Strap Ferrule. Price, \$1.55.

Jumbo—Four 11-inch tines, D-Handle, Strap Ferrule. Price, \$1.45.

Boys' Spading Forks—Four 7-inch tines, D-Handle, Plain Ferrule. Price, 75c.

ENSILAGE FORKS (Continental)

Ten 16-inch Oval tines, 2½-foot D-Handle, Strap Ferrule. Price, \$2.35.

POTATO HOOKS (Continental)

Round Steel Tines, 4½-foot Handles.

Four 7-inch tines..... Price, \$.80

Five 7-inch tines..... Price, 1.00

Six 7-inch tines..... Price, 1.10

GARDEN HOES



Meadow Monarch—Solid Socket Pattern (no rivets), 6 to 7½-inch Blades, 4-foot Handle. Price, 80c.

Ladies' Hoe, Meadow Monarch—5-inch Blade, 4-foot Handle. Price, 60c.

WARREN HOES

Continental—Heart Shaped, large size 7½-inch. Price, \$1.00.



WEEDING HOES

Acme—(Pressed Steel), Double Prong, 4½-inch Blade, 4 1/3-foot handle. Price, 85c.

Forged Steel, Double Prong, 3¾-inch Blade, 4 1/3-foot Handle, 8¾-inch Head. Price, 85c.

Forged Steel, Four Prong, 3¾-inch Blade, 4 1/3-foot Handle, 6-inch Head. Price, 80c.

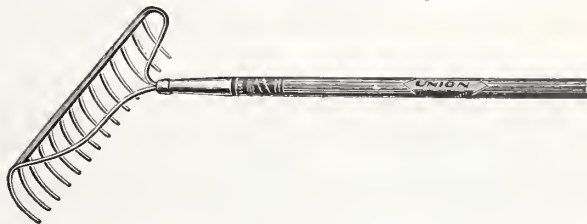
GARDEN SCUFFLE HOES

8-inch Cold Rolled Steel Blades, Plain Ferrule, 5-foot Handle. Price, 90c.

FLORAL SETS

Consisting of Shovel, Hoe and Rake. Price per set, \$1.50.

STEEL GARDEN RAKES



Continental—Round Bow Curved Teeth, 5½-foot Handle. Price, 12 teeth, 90c; 14 teeth, \$1.00; 16 teeth, \$1.05.

Continental—Level Head Curved Teeth, 5½-foot Handle. Price, 12 teeth, 75c; 14 teeth, 80c; 16 teeth, 90c.

BROOM RAKES

Continental—22 14-inch Flat Teeth, 4-foot Handle, Flexible Spring Steel. Price, 65c.

WIRE LAWN RAKES

Meadow Monarch—24 2-inch Teeth, 5-foot Handle, No. 9 Steel Wire. Price, 70c.

WOOD LAWN RAKE

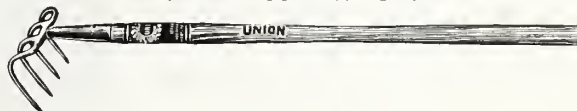
3 Wire Brace. 22 teeth, 65c; 1 Wire Brace, 20 teeth, 50c.

WOOD HAY RAKE. 2 Wire, 10 teeth, 40c.

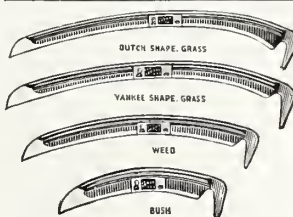
TURF EDGERS

Socket Pattern, 9-inch 1/3 Polished Blade, Green Finish, 4-foot Handle. Price, 95c.

SPEEDY CULTIVATORS



Four 4-inch Sharp Curved Tines, Blue Finish, Plain Ferrule; 4 1/3-foot Handle. Price, 65c.



SCYTHES Price

Best American Grass..... \$1.25

Bush or Brier Scythes.... 1.25

English T. Waldron..... 2.25

Little Giant Dutchman.... 1.85

IMPORTED GERMAN SNATH

\$2.25 Each.

SNATH or SCYTHE HANDLES

Two-Ring, plain.... Price, \$1.40

Patented Fasteners. Price, 1.25

Bush Snath, heavy.. Price, 1.50

GRASS AND BRUSH HOOKS

American Grass Hook..... Price
Draw Cut Grass Hook..... \$.60
German Grass Hook..... .75
Best English Grass Hook..... .50
Best English Grass Hook..... .90

BRUSH HOOKS

For shrubbery and underbrush.

Tempered Steel..... Price, \$1.75

Imported Solid Socket..... Price, 1.25

Imported Solid Socket, with Cutter..... Price, 1.40

LIGHTNING HAY KNIFE

Crucible Steel..... Price, \$1.75

HAND-MADE GRAIN CRADLES

Hand-Made, 4-finger Cradle, with best American

Scythe Price, \$5.00

With English Waldron Scythe..... Price, 5.75



SHOVELS

Round or Square Point. Long or D-Handles.

No. 2 \$1.00 No. 3 \$1.25

No. 4 1.25 No. 6 1.35

SPADES

Favorite, solid back D Handle, \$1.00.

Nursery, extra heavy D-Handle, full strap. Price, \$4.25.



POST-HOLE DIGGERS

Baldwin Brand..... Price, \$1.75

EARTH AUGER

Bores holes 8 to 14 inches in diameter, 3½ feet deep... \$6.00

Bores holes 8 to 16 inches in diameter, ½ foot deep... 6.75

FOR THE OUTDOOR LIVING ROOM



BIRD BATHS

No. 230 Octagon (illustrated above). Very modern, bowl 30½ in.; base 12 in.; height 35 in. \$20.00.

No. 110 Round. Bowl 28 in. diameter; base 14 in. diameter, height 34½ in. \$16.00.



SUN DIALS

No. 235 Octagon. Height 31 in.; base 21 in.; top 8 in. Bronze Dial, 8 in. \$12.00.

No. 100 Classic. Height 37 in.; base 14 in.; shaft 10 in. Bronze Dial, 9¾ in. \$22.50.

LAWN BENCHES

No. 195 Small—42 in. long, 15 in. wide, 17 in. high. \$13.00.

No. 190 Roman—60 in. long, 20 in. wide, 19 in. high. \$20.00.

No. 200 Circular—60 in. long (center), 20 in. wide, 19 in. high. \$25.00.

PORCH AND WINDOW BOXES

Rustic—12 in. wide, 9¼ in. high. Length as follows: 12 in., \$2.50; 24 in., \$4.00; 36 in., \$5.25; 42 in., \$6.50.

Antique—Very graceful curved design. 14 in. x 14 in., \$2.50. 14 in. x 30 in., \$5.50.

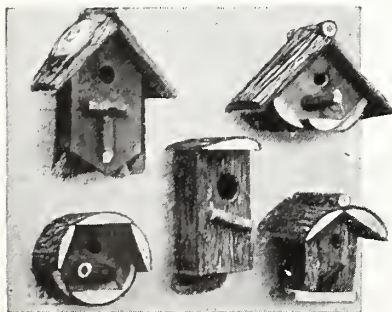
Lion's Head—Suitable for Evergreens, Boxwoods, and other specimen plants. Top 16 in., base 12½ in., height 14 in., \$5.50.

Sea Shell—Formal 8 in. cube suitable for ferns, pandanas, etc., 75c.

Other items quoted on request.

59

58



73

57

76

BIRD HOUSES

No. 57—Woodpecker or Flicker. \$1.25

No. 58—Wren 1.45

No. 59—Blue Bird 1.45

No. 73—Wren 1.25

No. 76—Wren 1.25

GARDEN FURNITURE

Give your garden the spirit of an "outdoor living room." Make it a place in which to spend happy restful hours with family and friends, amid the beauty you have helped create.

This is easily accomplished by the addition of a few pieces of well designed garden furniture such as we are prepared to offer.

Space does not permit description of these items, but we have in our files complete information and illustrations on a great variety of patterns suitable for all types of gardens.

PERGOLAS ARBORS ARCHES LAWN SETS

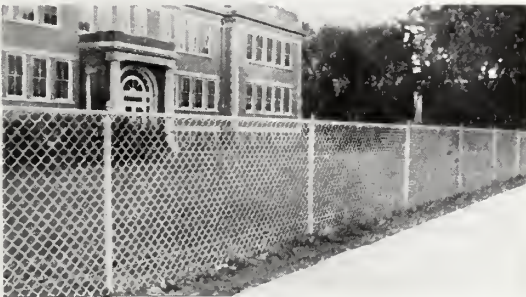
GARDEN GATES BENCHES, ETC.

Let us estimate your requirements.



LAWN FENCE

ANCHOR CHAIN LINK NETTING



Anchor Chain Link Netting is woven of heavy copper bearing steel wire. It is heavily galvanized by the hot-dip spelter method after fabrication.

The exclusive and outstanding feature of this netting is that it entails no waste. You purchase only the exact length required as the fabric is so woven that a link can be removed dividing the rolls into any desired length without cutting. Likewise rolls of Anchor Chain Link can be connected without the inconvenience of splicing and without any visible sign of the connection.

An Anchor Chain Link Fence adds beauty, distinction, privacy to your home and its surrounding gardens. It offers protection to your valuable plants, trees, and shrubs.

2" Mesh, No. 11 Gauge Wire—Put up in rolls of 50 feet.

Width	Price per ft.
36 inch	\$.12
42 inch14½
48 inch16½

1½" Mesh—No. 12 Gauge Wire

45 inch	\$.18½
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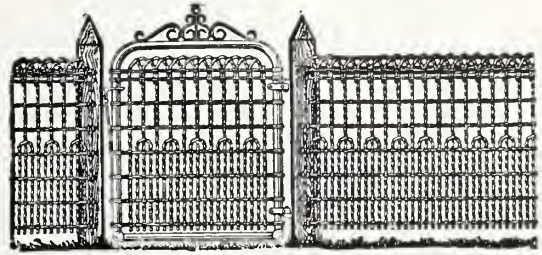
For complete Anchor Chain Lawn Fences communicate with us for quotations.

ANCHOR RUSTIC CEDAR FENCES



Anchor Rustic Cedar Fences with their mellow and distinctive appearance add immeasurably to the appearance of any lawn or garden. We will be glad to quote prices on these fences.

ORNAMENTAL LAWN FENCE



Very attractive and we believe the most durable wire lawn fence made. Can be furnished heavy galvanized, or, in addition, coated with a specially-prepared Gray Enamel Paint. Spaces, 1¼ inches; wire, No. 9 Crimped Pickets in No. 12½ Tw. Cables.

Price, 36-inch, per foot, 12c; per 100 feet.....	\$10.00
Price, 42-inch, per foot, 13c; per 100 feet.....	11.00
Price, 48-inch, per foot, 15c; per 100 feet.....	13.00
In Rolls of 165 feet, deduct 1c a foot.	
Style 100—36 in., per 100 ft., \$7.50	42 in., per 100 ft., \$8.50

FLOWER GUARD

Designed for protecting Flower Beds

16-inch, per foot.....	6c	22-inch, per foot.....	7c
100 feet or more, 1c per foot less.			
Trellis—18 inch, 8c ft.; 24 inch.....	9c ft.		

ORNAMENTAL GATES

Heavy steel frames, filled to match the fence; fittings for wood or metal posts.

Height	Distance Between Posts					
	3 ft.	3½ ft.	4 ft.	5 ft.	8 ft.	10 ft.
36-inch	\$4.10	\$4.20	\$4.40	\$4.85	\$9.50	\$11.00
42-inch	4.20	4.50	4.65	5.10	9.75	11.50
48-inch	4.40	4.75	4.90	5.40	10.00	11.65

ANCHOR CHAIN LINK GATES

Height	3 ft. wide	10 ft. wide
3 ft.	\$3.25	\$9.25
3½ ft.	3.40	9.25
4 ft.	3.90	9.25

American Steel Fence Posts



Made by American Steel & Wire Company

LINE POSTS

5 -foot	\$.60
6 -foot .....	.65
6½-foot .....	.70
7 -foot .....	.75
7½-foot .....	.80
8 -foot .....	.85

Special Prices on Quantities.

Ball Tops for Line Posts, 25c;
Corner Posts, 40c;
Pig-Ear Latch, 75c;
Driving Caps for Line Post, 40c.

6-foot End Posts, each.....	\$3.75
7-foot End Posts, each.....	4.25
6-foot Corner Posts, each.....	5.50
7-foot Corner Posts, each.....	6.00

PIONEER CHANNEL BAR POSTS

Bar Iron—Special Price on Quantities	
5 -foot.....	\$.40
6 -foot.....	.45
6½-foot.....	.50
7 -foot.....	.52
7½-foot.....	.55
8 -foot.....	.60

CHAMPION WIRE STRETCHER

No. 1 has hickory handle and malleable clamp; can be quickly adjusted, and is a favorite with fence builders. Price, \$1.50.

RATCHET WIRE STRETCHER

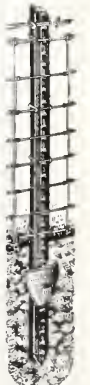
Is operated by one man and holds the wire in any desired position. Price, \$1.50.

BARBED WIRE—GALVANIZED

Four points, price per 100 pounds.....	\$4.40
Same in 80-rod spools.....Each,	3.85

RIBBON WIRE

Galvanized, per 100 pounds.....	\$8.00
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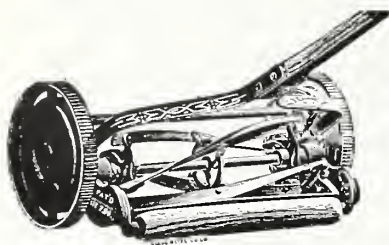


Pioneer

QUALITY LAWN MOWERS

No Obsolete Models—No Bankrupt Stock.

All reliable, successful brands on which repairs are always easily obtained.



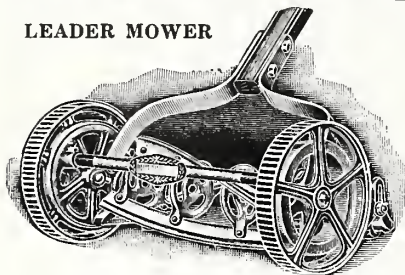
STERLING BALL BEARING
Light running;
practical design.

12 in.	\$4.50
14 in.	4.75
16 in.	5.00

TERRACE SPECIAL AND PLAIN STERLING

12 in.	\$4.10
14 in.	4.35
16 in.	4.60

LEADER MOWER



High wheel, Ball Bearing. Very light running. Wheels 9 inches high; reel 6 inches in diameter; all latest improvements; noiseless action; keen cutting; self-sharpening; high speed.

12 in.	\$5.00
14 in.	5.35
16 in.	5.75
18 in.	6.00

KING HIGH GRASS MOWERS—BALL BEARING

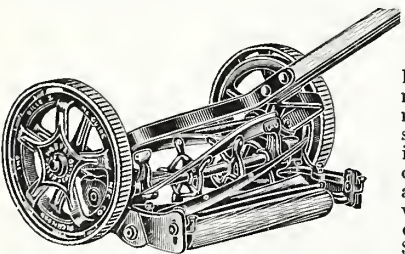
Driving wheels 9½ inches high; 6-inch ball-bearing revolving cutter; blades crucible steel, hardened and tempered in oil.

14-inch cut \$12.00 16-inch cut \$12.75 18-inch cut \$13.25

PHILADELPHIA STYLE "K"

5 Blades, 10-inch Drive Wheels

Plain Bearing, 14 inch \$16.25
Roller Bearing, 14 inch 18.50



NOBRAKO

The unbreakable lawn mower made of malleable iron, commonly known as all-steel, 6 inch ball bearing, 5 blade revolving cutter; 10½ inch Hyatt roller bearing wheels. Silent in operation. 16 inch, \$10.50; 18 inch, \$11.00.

PHILADELPHIA STYLE "B-B" MOWER

A very sturdy yet easily operated Philadelphia-made ball bearing mower, having 9-inch drive wheels, revolving cutter, and 4 crucible steel blades. 14-inch, \$8.50; 16-inch, \$10.00.

With 10-inch diameter Open Wheels. 14-inch, \$10.00; 16-inch, \$10.50.

REVOLVING SPRINKLER



These sprinklers are compactly and strongly made with phosphor-bronze bearing.

Eureka Sprinkler, 12 inches high, Price, \$1.85.

Newport Sprinkler, 24 inches high, Price, \$3.25.

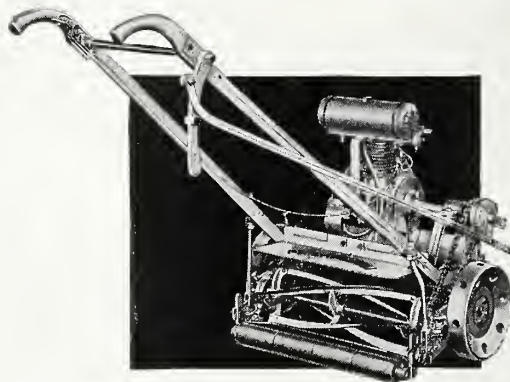
FOUNTAIN SPRINKLER

Made of Heavy Brass

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, 75c.



PHILADELPHIA "21 INCH" MOTOR MOWER



Constructed in the most up-to-date manner developed to withstand rough usage. Air-cooled, four cycle engine, ¾ to 1½ H. P. This unit is in our judgment the most dependable and economical type of mower for lawns of from ½ to 3 acres. Price, \$150.00.

PHILADELPHIA EAGLE HORSE LAWN MOWER AND ROLLER

This is the latest production of this well-known factory, and is now acknowledged by every user to be the best Mower in operation. 30-inch, with seat, shafts and draft pole, \$135.00; 35-inch, \$160.00; 40-inch, \$180.00.

Special price on motor mowers.

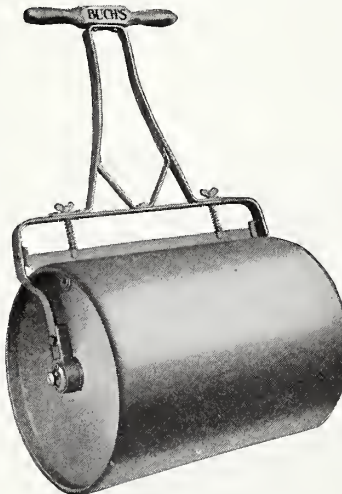
GRASS COLLECTOR

Made of best quality duck with galvanized iron bottom, easily attached or detached. 12 in., \$2.75; 14 in., \$3.25; 16 in., \$4.00; 18 in., \$5.00. D. & M. Collectors, No. 1, \$1.50; No. 2, \$1.60.

LAWN ROLLERS

These rollers represent all the latest and up-to-date improvements; they are fitted with hardened steel roller bearings, which reduces the draft by 40 per cent; the counter-balance attached on the outside of the drum induces the handle to stand in an upright position. The outer edges of the drum are well rounded to prevent cutting.

No. 605 has plain bearings and no scraper.



WATER BALLAST LAWN ROLLER

No. 601—14x24, Empty	70 lbs.;	Filled	175 lbs..	Price, \$15.00
No. 602—18x24, Empty	85 lbs.;	Filled	265 lbs..	Price, 17.50
No. 603—24x24, Empty	110 lbs.;	Filled	420 lbs..	Price, 20.00
No. 605—14x24, Empty	68 lbs.;	Filled	175 lbs..	Price, 11.00

Cast Drum Rollers	Diameter Face	Total Length	Weight Pounds	Price
No. 504—2 section	20	20	250	\$24.50
No. 507—2 section	20	24	300	30.00
No. 509—2 section	24	20	400	39.00

SOIL IMPROVEMENT MATERIALS

BLACK LEAF STERILIZED GROUND TOBACCO STEMS

A finely ground, organic fertilizer material. An ideal and readily available source of necessary elements for your lawn, flowers, truck, market garden, and green house crops, and fruit. Better than stable manure, and makes a superior compost. Adds humus. Thoroughly sterilized, therefore free of weed seeds. Supplies ORGANIC Nitrogen and ORGANIC Potash. Does not burn tender roots. Economical, easy to use, and safe for every purpose. Guaranteed 1.16% Nitrogen, 4% Potash. Being a "natural" fertilizer carries nearly all of the minor elements that a plant demands, particularly Magnesium for flower and leaf color. Apply at rate of 5 to 10 pounds per 100 square feet, or 1000 to 2000 pounds per acre for all truck crops, tobacco, fruit, tomatoes, potatoes, etc. 10 lbs. 25c; 25 lbs. 50c; 100-lb. bag, \$1.50; ton, \$20.00.

BONE MEAL (Extra Fine)

An excellent fertilizer, especially recommended for lawns, rose bushes, grape vines, and deep-rooted shrubbery, where it is desired to furnish the plants with a perfectly safe, slow-acting but continuous supply of nourishment. Florists and nurserymen use large quantities of our bone meal very successfully. 2 lbs., 15c; 10 lbs., 40c; 50 lbs., \$1.60; 100-lb. bag, \$2.75. Let us quote special price on quantities.

HUMUS

A pure organic material prepared for the purpose of building up the lawn. Is odorless, and being neutral in action can be used on all plants. 100-lb. bag, \$2.00.

PULVERIZED SHEEP MANURE

One of the most popular fertilizers for lawns, thoroughly dried and pulverized, giving lasting results. For top dressing of lawns use 1 ton per acre, applying in fall or early spring. 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 75c; 100-lb. bag, \$2.00; ton, \$35.00. Let us quote special price on quantities.

CHILEAN NITRATE OF SODA

Highly soluble, quick in action and hastens the maturity of crops fully two weeks. Champion Brand (shot form.) 1 lb., 8c; 10 lbs., 55c; 100 lbs., \$2.75.

ALUMINUM SULPHATE

For rhododendrons and azaleas. 15c lb.; 10 lbs., \$1.00; 100 lbs., \$6.00.

BLOOD MEAL

One of the best plant foods for forcing flowers and vegetables. Excellent for rose bushes during blooming season. 10c per lb.; 3 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.00.

LAND PLASTER

Useful as a medium for retaining moisture and the fluids and ammoniates of manure. 100-lb. bag, \$1.20; ton, \$19.00.

HYDRATED LIME

Especially useful for correcting acid condition of soils in gardens and lawns. 50-lb. bag, 45c; \$16.00 per ton.

ADCO

Is a powder, which, when mixed with almost any non-woody vegetable waste, and kept wet, gradually converts it into manure.

50 pounds of ADCO makes a ton of manure. Equal to stable manure—Odorless. Prices: 150 lbs., \$10.50; 25 lbs., \$2.00.

PEAT MOSS

Promotes Growth by Improving Texture of Soils and Regulating Supply of Moisture
Investigate its Many Advantages

Granulated Peat Moss has rapidly come into general use for horticultural purposes, and large commercial growers recommend it highly as a moisture retaining humus, unsurpassed for mulching. It is excellent for clayey, light, sandy or gravelly soils, beds, hotbeds, coldframes, greenhouse benches, in potting soil and as a winter protection for lawns. Also as a mulch on strawberry, perennial beds, roses, rhododendrons, azaleas, evergreens, ferns, etc.

Baby Bale	2½ Bushels	\$0.75
Garden Bale	5 Bushels	1.00
Junior Bale	10 Bushels	1.50
Large Bale	20 Bushels	2.75

Special Price on Larger Quantities

FISH BONE POTASH FERTILIZER

FOR BETTER PRODUCTION

Guaranteed Analysis

The Commercial Fertilizers which we offer are made by one of Baltimore's largest and most reliable manufacturers. Animal base products are consistently used, making a plant food which in its chemical action in the soil is best suited for continuous growth of the crops.

Analysis	Bag 167 lbs.
2-12-2	\$2.25
5-8-5	\$2.75
4-8-10	3.00
7-12-7	3.50

**Let Us Quote
Latest Low Prices
On Ton Lots Or More.**

YOUR FLOWERS and LAWN

need **Lōma**



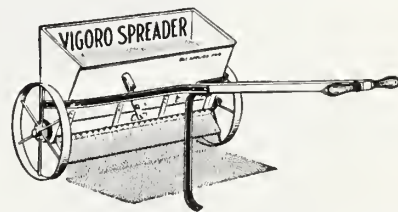
Because Loma is so much better than manure—because it is clean, odorless, weedless—because it becomes available to the plants at once—it works wonders with your flowers in ten days to two weeks. Loma-fed plants are so much sturdier and bloom a week or two earlier. After applying, wet down thoroughly.

Prices	
1-lb. can	\$.25
5-lb. can	.50
10-lb. bag	.85
25-lb. bag	1.75
50-lb. bag	3.00
100-lb. bag	5.00

VIGORO SPREADER

A Size for Every
Need!

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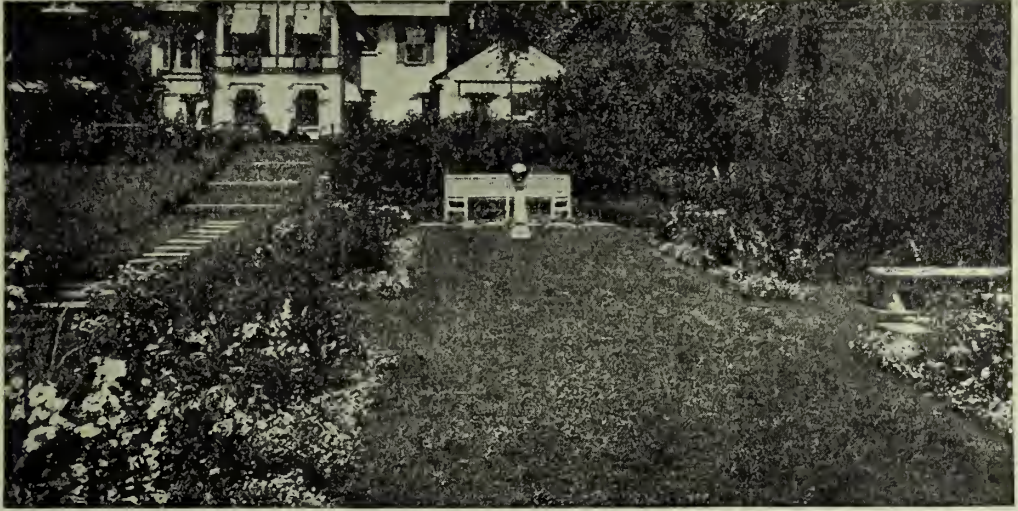
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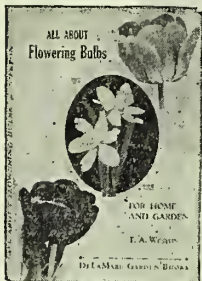
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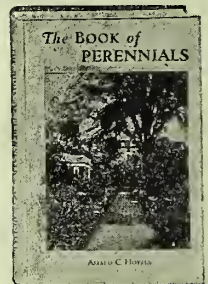
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INDEX

Achillea	10, 16	Ghost Plant	16	Scarlet Sage	7, 19	Hose	30
Aconitum	10, 16	Gilia	6	Schizanthus	8	Hot Bed Glass	29
African Daisy	4	Gladolus	20	Sea Lavender	18	Hot Bed Mats	29
Ageratum	3, 17, 19	Gloxinia	13	Sea Pink	16	Hot Bed Sash	29
Agrostemma	3	Gypsophila	6, 13, 17	Sedum	18	Hydrated Lime	35
Alpine Asters	16	Helenium	13	Sensitive Plant	8	Hyper Humus	35
Alyssum	3, 10, 16, 19	Helianthus	17	Shasta Daisy	15	Insecticides	26
Amaryllis	23	Helioopsis	13	Shrubs	25	Japanese Beetle Traps	28
Amaranthus	4	Heliotrope	13, 19	Snapdragons	3, 19	Knives	30
Anchusa	4, 10, 16	Hemerocallis	17	Snow in Summer	11	Land Plaster	35
Anemone	10	Hesperis Matronalis	13	Snow on the Mountain	12	Lawn Benches	32
Antirrhinum	3	Heuchera	13, 17	Statice	15, 18	Lawn Fence	33
Aquilegia	10, 16	Hibiscus	13, 17	Stevia	8	Lawn Grass	36
Arabis	10, 16	Hollyhocks	6, 13, 17	Stocks	8, 19	Lawn Mowers	34
Arctotis	4	Honesty	13	Stokesia	15, 18	Lawn Rakes	31
Armeria	10, 16	Iberis	13, 17	Summer Cypress	6	Lawn Rollers	34
Artemisia	16	Impatiens	6	Summer Poinsettia	9, 19	Lawn Sprinklers	34
Asters	3, 10, 19	Incarvillea	13	Sunflower	17	Leaf Rakes	31
Astilbe	16	Iris	23	Sweet Peas	8, 13, 17	Lemon Oil	26
Aubrietia	10	Kenilworth Ivy	13	Sweet Rocket	13	Lime and Sulphur	26
Azaleas	24	Kochia	6	Sweet William	15, 18	Loma	35
Babys Breath	6, 13, 17	Lady Slipper	4	Thalictrum	15, 18	Magnesium Arsenate	26
Balsam	4	Lantana	6, 19	Torenia	9	Manure Forks	31
Bartonia	17	Larkspur	6, 12, 16	Tritoma	15, 18	Marine Forks	29
Beard Tongue	17	Lathyrus	13, 17	Trollius	15	Mastica	29
Begonias	23	Lavatera	6	Tuberose	23	Mole Traps	30
Bellis	10	Leadwort	18	Tufted Pansies	15	Mowers	34
Bergamot	17	Lilies	23	Ursinia	9	Neponset Pots	29
Blanket Flower	17	Lily of the Valley	17	Valeriana	15	Nico Fume	27
Bleeding Heart	17	Linaria	6, 13	Vendicum	9	Nitrate of Soda	35
Blue Lace Flower	5	Linum	13, 17	Verbena	9, 19	Norcross Cultivators	30
Boston Ivy	11	Lobelia	6, 17, 19	Veronica	15, 18	Nozzles	29
Boxwood	21	Love-in-a-mist	6	Vinca	9, 19	Paradichlorobenzene	27
Caladium	23	Lunaria	13	Vines	9	Paris Green	27
Calceolaria	11	Lupinus	6, 14, 17	Violas	15	Peat Moss	35
Calendula	4, 19	Lychnis	14, 17	Violet	15	Peerless Glazing Points	29
Calliopsis	5	Lysimachia	17	Wallflower	15, 19	Pergolas	32
Callirhoe	11	Lythrum	14	Zinnias	9, 13, 19	Pincers	29
Campanula	4, 11, 16	Mallow Marvels	6, 13, 17			Plant Stakes	29
Candytuft	4, 11, 17	Maltese Cross	14			Plantabbs	35
Cannas	23	Marigold	6			Plant Bands	29
Canterbury Bells	4, 11, 16	Marvel of Peru	6			Porch and Window Boxes	32
Carnations	4, 11, 16	Meadow Rue	18			Pot Labels	29
Castor Oil Bean	7	Mesembryanthemum	6			Post Hole Diggers	31
Celosia	4	Mexican Rose	7			Potato Hooks	31
Centaurea	4, 11	Mignonette	6			Pruners	30
Cerastium	11	Mimosa	8			Putty Bulbs	29
Chinese Bellflower	14, 17	Mimulus	14			Pyrox	27
Chinese Lantern Plant	14, 17	Monarda	17				
Chrysanthemum	5, 11	Monkshood	10, 16				
Cineraria	11	Moon Vines	19				
Cinnamon Vines	19	Morning Bride	7				
Clarkia	5	Nasturtium	6				
Clematis Paniculata	19	Nepeta	17				
Clematis Vines	9	Nicotiana	6				
Coccineum	12	Nigella	6				
Cockscomb	4	Ornamental Grass	6				
Coleus	11, 19	Pachysandra	17				
Columbine	10, 16	Painted Daisy	14				
Coral Bells	13, 17	Pansies	7, 19				
Coreopsis	5, 11, 16	Parlor Ivy	19				
Cornflower Aster	18	Penstemon	14, 17				
Cosmos	5	Peonies	19				
Cyclamen	11	Petunias	7, 19				
Dahlia	12, 22	Phlox	7, 14, 18				
Daisy	10	Physalis	14, 17				
Datura	5	Physostegia	14, 17				
Day Lily	17	Pinks	5, 12, 16				
Delphinium	12, 16	Platycodon	14, 17				
Dianthus	5, 12, 16	Plumbago	18				
Dicentra	17	Poppies	7, 14, 18				
Didiscus	5	Portulaca	7				
Digitalis	12, 17	Primrose	14, 18				
Dimorphotheca	5	Primula	14, 18				
Elephant Ears	23	Pyrethrum	14, 18				
Eupatorium	17	Ranunculus	15				
Euphorbia	5, 12	Red Hot Poker	18				
Evergreens	24	Rhododendrons	24				
False Dragon Head	14, 17	Ricinus	7				
Feverfew	12	Rock Cress	10, 16				
Flax	13	Rock Soapwort	15				
Forget-me-not	12, 17	Roses	21				
Four O'Clock	6	Rudbeckia	15, 18				
Foxglove	12, 17	Salpiglossis	7				
Fruit Trees	25	Salvia Splendens	7				
Gaillardia	12, 17	Sanvitalia	7				
Geraniums	19	Saponaria	15				
Gerbera	12	Scabiosa	7, 15, 18				
Geum	12, 17						

GARDEN SUPPLIES, ETC.

Adco	35	Warren Hoes	31
Arbors	32	Watering Pots	29
Arsenate of Lead	26	Weeders	30
Arsenate of Zinc	36	Weed Killer	27
Asparagus Knives	30	Wilson OK Spray	27
Bird Baths	32	Window Boxes	29
Bird Houses	32	Whale Oil Soap	27
Back Leaf Forty	26		
Blood Meal	35		
Bone Meal	35		
Bordeaux Mixture	26		
Brush Hooks	31		
Carbola	26		
Corona Coppercarb	26		
Cyanogas	26		
Dibbles	30		
Dry Lime and Sulphur	36		
Earth Augers	31		
Evergreen	26		
Fertilizer	35		
Flour of Sulphur	27		
Flower Boxes	29		
Flower Pots	29		
Forks	31		
Formaldehyde	26		
Fruit Pickers	30		
Fungtrogen	26		
Garden Books	38		
Garden Furniture	32		
Garden Trowels	30		
Glass	29		
Glazing Points	29		
Glazing Putty	29		
Gloves	31		
Grafting Wax	30		
Grain Cradles	31		
Grape Dust	27		
Grass Collectors	34		
Grass Hooks	31		
Hand Weeders	30		
Hay Forks	31		
Hay Knives	31		
Hay Rakes	31		
Hedge Shears	30		
Hoes	31		

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See page 36

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